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(NASA-CR-151039) RESULTS OF INVESTIGATIONS
CONDUCTED IN THE IARC 4-FOOT UNITARY PLAN
WIND TUNNEL IFG NO. 1 USING THE 0.010-SCALE
72-OTS MODEL OF THE SPACE SHUTTLE INTEGRATED
VEHICLE (IA94A) (Chrysler Corp.) 520 p

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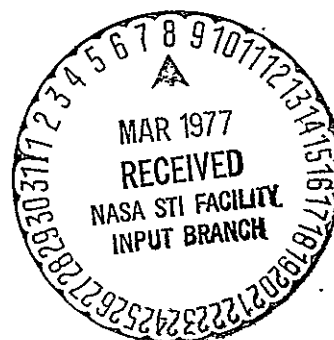
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SPACE SHUTTLE

AEROTHERMODYNAMIC DATA REPORT



JOHNSON SPACE CENTER

HOUSTON, TEXAS

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SPACE DIVISION



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RESULTS OF INVESTIGATIONS CONDUCTED IN THE
LaRC 4-FOOT UNITARY PLAN WIND TUNNEL LEG NO. 1
USING THE 0.010-SCALE 72-OTS MODEL OF THE
SPACE SHUTTLE INTEGRATED VEHICLE (IA94A)

by

M. E. Nichols
Shuttle Aerosciences
Rockwell International Space Division

Prepared under NASA Contract Number NAS9-13247

by

Data Management Services
Chrysler Corporation Space Division
New Orleans, La. 70189

for

Engineering Analysis Division
Johnson Space Center
National Aeronautics and Space Administration
Houston, Texas

WIND TUNNEL TEST SPECIFICS:

Test Number: LARC UPWT 1152
NASA Series Number: IA94A
Model Number: 72-OTS
Test Dates: April 19 through April 23, 1976
Occupancy Hours: 55

FACILITY COORDINATOR:

B. Spencer, Jr.
Mail Stop 365
Langley Research Center
Langley Station
Hampton, Virginia 23665

Phone: (804) 827-3911

PROJECT ENGINEERS:

M. E. Nichols
P. J. Hawthorne
Mail Code AD38
Rockwell International
Space Division
12214 Lakewood Blvd.
Downey, CA 90241

D. C. Freeman
Mail Stop 411
Langley Research Center
Langley Station
Hampton, Virginia 23665

Phone: (804) 827-3911

Phone: (213) 922-2665

AERODYNAMIC ANALYSTS:

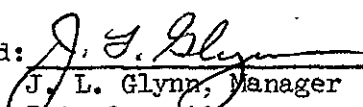
J. T. Hamilton
P. K. Miller
Mail Code AC07
Rockwell International
Space Division
12214 Lakewood Blvd.
Downey, CA 90241


Phone (213) 922-4955

DATA MANAGEMENT SERVICES:

Prepared by: Liaison-- J. W. Ball, D. A. Sarver
Operations--R. H. Lindahl

Reviewed by: D. E. Poucher

Approved: 
J. L. Glynn, Manager
Data Operations

Concurrence: 
N. B. Kemp, Manager
Data Management Services

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by

M. E. Michols
Shuttle Aerosciences
Rockwell International Space Division

ABSTRACT

This report documents the test procedures, history, and data from wind tunnel test IA94A, carried out at the NASA/Langley Research Center 4-Foot Unitary Plan Wind Tunnel, Section #1, April 19 to April 23, 1976.

Test IA94A involved aero-loads investigations on the Updated Configuration-5 Space Shuttle Launch Vehicle at Mach Numbers 1.55 and 2.00. Six-component vehicle forces and moments, base and sting-moments, wing-root bending and torsion moments, and normal shear force data were obtained. Full simulation of updated vehicle protuberances and attach hardware was employed.

This test was one of a series of three (3) programs run consecutively: IA94A (UPWT #1), IA94B (UPWT #2), and IA93 (8' TPT).

Various elevon deflection angles were tested, with two different forward orbiter-to-external-tank attach-strut configurations. The entire vehicle model 72-OTS was supported by means of a balance mounted in the orbiter through its base and suspended from an appropriate sting for the

ABSTRACT (Concluded)

specific tunnel.

The tabulated IA94A data shown in the Appendix comprises:

- (a) Raw wind tunnel data (RJKOXX, SJKOXX, TJKOXX data sets),
- (b) Interpolated Mach, alpha, and beta data (FJKOXX, IJKOXX, MJKOXX data sets), corrected for base cavity and base pressure effects,
- (c) Data from item (b) elevon interpolated (MJKAXX, MJKBXX data sets).

The plotted coefficient data presented in this report represents the elevon interpolated data (item (c)).

TABLE OF CONTENTS

	Page
ABSTRACT	iii
INDEX OF MODEL FIGURES	2
INDEX OF DATA FIGURES	3
NOMENCLATURE	4
REMARKS	11
CONFIGURATIONS INVESTIGATED	12
INSTRUMENTATION	16
TEST FACILITY DESCRIPTION	17
DATA REDUCTION	18
TABLES	
I. TEST CONDITIONS	24
II. DATA SET/RUN NUMBER COLLATION SUMMARY	25
III. MODEL DIMENSIONAL DATA	27
FIGURES	
MODEL	58
DATA	67
APPENDIX	
TABULATED SOURCE DATA	

INDEX OF MODEL FIGURES

Figures	Title	Page
1.	Axis systems.	
	a. General	58
	b. Control Surfaces	59
2.	Model sketches.	
	a. Updated Vehicle-5 Launch Configuration	60
	b. Orbiter	61
	c. External Tank	62
	d. Solid Rocket Booster	63
	e. Base Pressure Tap Locations	64
3.	Model installation photograph.	65

INDEX OF DATA FIGURES

FIGURE NUMBER	TITLE	CONDITIONS VARYING	PLOTTED COEFFICIENTS SCHEDULE	PAGES
4	LONGITUDINAL AERODYNAMIC CHARACTERISTICS MACH = 1.55	BETA, ELV-LI, ELV-LO, ELV-RI, ELV-RO	A	1-54
5	LATERAL-DIRECTIONAL AERODYNAMIC CHARAC- TERISTICS MACH = 1.55	↓	B	55-81
6	ORBITER WING SHEAR, BENDING, AND TORSION COEFFICIENTS MACH = 1.55		C	82-108
7	LEFT ELEVON SEGMENT DEFLECTIONS CORRECTED FOR APPLIED LOAD MACH = 1.55		D	109-126

SCHEDULE OF COEFFICIENTS PLOTTED:

- A) C_{N_F} , C_{A_F} , C_{m_F} , $C_{A_{B_0}}$, $C_{A_{B_S}}$, $C_{A_{B_T}}$ versus α
- B) C_Y , C_n (BODY), C_l (BODY) versus α
- C) C_{N_W} , C_{B_W} , C_{T_W} versus α
- D) $C_{H_{E_I}}$, $C_{H_{E_O}}$ versus α

NOMENCLATURE

<u>Plot Symbol</u>	<u>Mnemonic</u>	<u>Definition</u>
A		Total vehicle axial-force, lbs.
A _{BF}	ABF	Body flap planform area, ft ²
A _{BO}	ABO	Orbiter base area, ft ²
A _{BS}	ABS	SRB base area, ft ²
A _{BT}	ABT	ET base area, ft ²
A _{CO}	ACO	Orbiter sting-cavity area, ft ²
A _U		Uncorrected total vehicle axial-force, lbs.
BM _W		Bending moment at Y _{WRC} , in-lb.
BM _{W1}		Bending moment at inboard wing-root bending gauge, in-lb.
BM _{W2}		Bending moment at outboard wing-root bending gauge, in-lb.
b _W		Wing reference span, in.
C _A	CA	Total vehicle axial-force coefficient
C _{AB}	CAB	Total vehicle base axial-force coefficient
C _{ABO}	CABO	Orbiter base axial-force coefficient
C _{ABS}	CABS	Solid rocket booster base axial-force coefficient
C _{ABT}	CABT	External tank base axial-force coefficient
C _{LU}	CLU	Uncorrected total vehicle lift coefficient

NOMENCLATURE (Continued)

<u>Plot Symbol</u>	<u>Mnemonic</u>	<u>Definition</u>
C_{AF}	CAF	Total vehicle forebody axial-force coefficient
C_{DU}	CDU	Uncorrected total vehicle drag coefficient
C_{AU}	CAU	Uncorrected total vehicle axial-force coefficient
C_{BW}	CBW	Wing-root bending-moment coefficient
C_{HEI}	CHEI	Inboard elevon hinge-moment coefficient
C_{HEO}	CHEO	Outboard elevon hinge-moment coefficient
C_{HET}	CHET	Total elevon hinge-moment coefficient
C_m	CLM	Total vehicle pitching-moment coefficient
C_{mB}	CLMB	Total vehicle base pitching-moment coefficient
C_{mBO}	CLMBO	Orbiter base pitching-moment coefficient
C_{mBF}	CLMBF	Orbiter body flap upper surface pitching-moment coefficient
C_{mF}	CLMF	Total vehicle forebody pitching-moment coefficient
C_{mU}	CLMU	Uncorrected total vehicle pitching-moment coefficient
$C_{n(BODY)}$	CYN	Total vehicle yawing-moment coefficient, body axis
C_N	CN	Total vehicle normal-force coefficient
C_{NB}	CNB	Total vehicle base normal-force coefficient
C_{NBO}	CNBO	Orbiter base normal-force coefficient

NOMENCLATURE (Continued)

<u>Plot Symbol</u>	<u>Mnemonic</u>	<u>Definition</u>
$C_{N_{BF}}$	CNBF	Orbiter body flap upper surface normal-force coefficient
C_{N_F}	CNF	Total vehicle forebody normal-force coefficient
C_{N_U}	CNU	Uncorrected total vehicle normal-force coefficient
C_{N_W}	CNW	Normal-force coefficient for wing panel
CP_{Bi}	CPBi	Base pressure coefficient at Station i (i = 1 to 8)
L/D_U	L/DU	Uncorrected total vehicle lift to drag ratio
CP_{BF}	CPBF	Body flap surface-pressure coefficient
CP_{B_O}	CPBO	Orbiter base-pressure coefficient
l_{BF}	LBF	Longitudinal body flap transfer distance, in.
CP_{BS}	CPBS	SRB base-pressure coefficient
CP_{BT}	CPBT	ET base-pressure coefficient
A_{BOMS}	ABOMS	OMS pod base area, ft ²
CP_{C_j}	CPCj	Sting-cavity pressure coefficient at Station j
CP_{C_O}	CPCO	Orbiter sting-cavity pressure coefficient
C_{TW}	CTW	Wing-root torsion-moment coefficient
C_Y	CY	Total vehicle side-force coefficient
$C_l(BODY)$	CBL	Total vehicle rolling-moment coefficient, body axis

NOMENCLATURE (Continued)

<u>Plot Symbol</u>	<u>Mnemonic</u>	<u>Definition</u>
\bar{c}_W	LREF	Mean wing reference chord, in.
\bar{c}_E	CE	Mean elevon reference chord, in.
D_1		Lateral distance from electrical center of inboard wing-root flexion gauge to wing-root flexion reference buttplane, Y_{WRC} , in.
D_2		Lateral distance from electrical center of outboard wing-root flexion gauge to wing-root flexion reference buttplane, Y_{WRC} , in.
ET		External tank
G_3		Longitudinal distance from electrical center of wing-root torsion gauge to wing-root torsion reference station, X_{WRC} , in.
h_{BZ}	HBZ	Vertical transfer distance from orbiter base area centroid to MRP, in.
HM_{EI}	HMEI	Inboard elevon hinge moment, in-lb.
HM_{EO}	HMEO	Outboard elevon hinge moment, in-lb.
i_b	IB	Orbiter base average inclination angle, deg.
i_m		Incidence angle of orbiter fuselage reference plane with respect to the ET fuselage reference plane; varies with attach structure AT ₁₃₀ , deg.
l		Total vehicle rolling-moment, in-lb.
l_B	BREF	Body reference length, in.
l_{BX}	LBX	Longitudinal transfer distance from orbiter base area centroid to MRP, in.
m		Total vehicle pitching-moment, in-lb.
m_U		Uncorrected total vehicle pitching-moment, in-lb.
M	MACH	Tunnel freestream Mach number

NOMENCLATURE (Continued)

<u>Plot</u> <u>Symbol</u>	<u>Mnemonic</u>	<u>Definition</u>
n		Total vehicle yawing-moment, in-lb.
N		Total vehicle normal-force, lb.
N_U		Uncorrected total vehicle normal-force, lb.
N_W		Normal force on wing panel, lb.
P_{Bi}		Base pressure, psia.
P_{C_j}		Sting-cavity pressure, psia.
P_T	PT	Tunnel freestream total pressure, psia.
P_∞	P	Tunnel freestream static pressure, psia.
q	Q(PSF)	Tunnel freestream dynamic pressure, psfa..
Re/ft	RN/L	Tunnel freestream unit Reynolds number, per foot
S_E	SE	Elevon reference area, ft ²
S_W	SREF	Wing reference area, ft ²
SRB	SRB	Solid rocket booster
TM_W		Torsion moment at X_{WRC} , in-lb.
TM_{W3}		Torsion moment at wing-root torsion gauge, in-lb..
T_T	TT	Tunnel freestream total temperature, °R
T_∞	T	Tunnel freestream static temperature, °R
X_{BRC}		Balance moment reference center station, in.
X_{MRC}	XMRP	Vehicle reference center station, in.
X_O	XO	Orbiter longitudinal station, in.
X_S	XS	SRB longitudinal station, in.

NOMENCLATURE (Concluded)

<u>Plot Symbol</u>	<u>Mnemonic</u>	<u>Definition</u>
$\delta_{E_{IR}}$	ELV-RI	Right-hand inboard elevon setting, deg.
$\delta_{E_{IRU}}$		Unloaded right-hand inboard elevon setting, deg.
$\delta_{E_{OL}}$	ELV-LO	Left-hand outboard elevon setting, deg.
$\delta_{E_{OLU}}$	ELVOC	Unloaded left-hand outboard elevon setting, deg.
$\delta_{E_{OR}}$	ELV-RO	Right-hand outboard elevon setting, deg.
$\delta_{E_{ORU}}$		Unloaded right-hand outboard elevon setting, deg.
δ_R	RUDDER	Rudder setting, deg.
δ_{SB}	SPDBRK	Speedbrake setting, deg.

SUBSCRIPTS

B	base
BF	body flap
C	cavity
E	elevon
F	forebody
I	inboard
L	left
O	Orbiter, outboard
R	right
S, s	SRB
SB	speedbrake
T	external tank, total
U	uncorrected
W	wing
∞	static

NOMENCLATURE (Continued)

<u>Plot Symbol</u>	<u>Mnemonic</u>	<u>Definition</u>
X _T	XT	ET longitudinal station, in.
X _{WRC}		Wing-root torsion reference station, in.
Y		Total vehicle side-force, lb.
Y _{BRC}		Balance moment reference center buttoplane, in.
Y _{MRC}	YMRP	Vehicle moment reference center buttoplane, in.
Y _O	YO	Orbiter lateral coordinate, in.
Y _S	YS	SRB lateral coordinate, in.
Y _T	YT	ET lateral coordinate, in.
Y _{WRC}		Wing-root bending reference buttoplane, in.
Z _{BRC}		Balance moment reference center waterplane, in.
Z _{MRC}	ZMRP	Vehicle moment reference center waterplane, in.
Z _O	ZO	Orbiter vertical coordinate, in.
Z _S	ZS	SRB vertical coordinate, in.
Z _T	ZT	ET vertical coordinate, in.
α	ALPHA	Model angle-of-attack, deg.
α_U		Uncorrected model angle-of-attack, deg.
β	BETA	Model angle-of-sideslip, deg.
β_U		Uncorrected model angle-of-sideslip, deg.
δ_{BF}	BDFLAP	Body flap setting, deg.
$\delta_{E_{IL}}$	ELV-LI	Left-hand inboard elevon setting, deg.
$\delta_{E_{ILU}}$	ELVIC	Unloaded left-hand inboard elevon setting, deg.

REMARKS

All wing-root loads data have also been corrected for small thermal gauge effects, and elevon deflection values have been corrected for deformation under load.

Comparison runs for two different Orbiter/ET forward attach-hardware configurations worked successfully, and flow angularity analyses were conducted via inverted-model runs early in the test. No instrumentation anomalies were experienced, and repeatability of all data was excellent.

CONFIGURATIONS INVESTIGATED

The 72-OTS model used in this test was a 0.010-scale replica of the updated vehicle-5 launch configuration of the space shuttle, without main propulsion system nozzle simulation. The configuration-140C wing was employed in place of the standard -140A/B wing, for instrumentation purposes. Figure 2a shows the launch vehicle configuration. Figure 2b shows the orbiter configuration.

Full protuberance simulation on the external oxygen/hydrogen tank and the two solid rocket boosters was included, based primarily upon the B revision of Interface Control Document 2-00001. Figures 2c and 2d show the ET and SRB configuration.

The forward orbiter/external tank attach-hardware was tested in two forms, designated AT₁₂₉ and AT₁₃₀. AT₁₃₀ was a close simulation of the actual vehicle-5 fixtures, whereas AT₁₂₉ was a heavy-duty assembly used for high loads requirements in test IA141, conducted in the Rockwell International 7-foot Trisonic Wind Tunnel during March, 1976.

Elevons were the only control surfaces deflected during the test. Rudder, speedbrake, and body flap were maintained at 0° settings. Control surface deflection sign convention is defined in Figure 1b.

The entire vehicle was suspended from a balance/sting assembly fitted into the orbiter fuselage through its base region, at all test conditions and configurations.

The model was tested with and without base pressure instrumentation manifolds and tubing installed. Figure 2e shows the base pressure tap locations.

CONFIGURATIONS INVESTIGATED (Continued)

The 140A/B/C orbiter model is designated as "O" in Table II and in the data. It was constructed with the following components:

<u>Component</u>	<u>Description</u>
O	140A/B/C orbiter
B ₂₆	Orbiter fuselage
C ₉	Canopy
E ₅₂	Elevons
F ₁₀	Body flap
M ₁₆	OMS pods
N ₈₉	OMS nozzles
R ₅	Rudder
V ₈	Vertical tail
W ₁₂₇	Wing

The modified vehicle-5 external tank model, designated as "T", was comprised of the following components:

<u>Component</u>	<u>Description</u>
AT ₂₈	Attach structure
AT ₃₀	Attach structure
AT ₃₁	Attach structure
AT ₁₃₁	Attach structure
FL ₁₀	LH ₂ feedline
FL ₁₁	LO ₂ feedline
FR ₁₀	Fairing
PT ₂₃	LO ₂ recirculation line

CONFIGURATIONS INVESTIGATED (Continued)

<u>Component</u>	<u>Description</u>
PT25	Aft electrical line
PT26	LO ₂ pressure line
PT29	Forward electrical conduit
PT33	LH ₂ pressure line
PT39	ET nose probe
T35	Modified Vehicle-5 external tank fuselage

The modified vehicle-5 solid rocket booster model, designated "S", consisted of the following components:

<u>Component</u>	<u>Description</u>
FR ₁₄	ET nose cable fairing
FR ₁₅	ET nose fairing for PT ₃₉
FR ₁₆	LO ₂ feedline (FL ₁₁) fairing
FR ₁₇	LO ₂ antigeyser-line (PT ₂₃) fairing
FR ₁₈	Aft electrical-conduit (PT ₂₅) fairing
FR ₁₉	LH ₂ pressure-line (PT ₃₃) fairing
N ₁₀₆	SRB nozzles
PS ₂₀	Electrical tunnel
PS ₂₃	Forward separation motors
PS ₂₆	Aft attach ring, SRB
PS ₂₇	SRM nozzle actuator struts
PS ₂₈	Aft separation motor fairing
PS ₂₉	Tiedown struts

CONFIGURATIONS INVESTIGATED (Concluded)

<u>Component</u>	<u>Description</u>
PS ₃₀	APV exhaust outlets
PS ₃₁	Command antennae
PS ₃₂	Data capsule and camera
PS ₃₃	3 intermediate structural rings
PS ₃₄	Aft cable housing
PS ₃₅	Aft structural ring
PS ₃₆	Aft separation motors
S ₂₄	Modified vehicle-5 solid rocket booster fuselage

Also tested was:

AT ₁₂₉	Rear orbiter/external tank attach structure
AT ₁₃₀	Forward O/T attach structure.

Detailed model dimensional data are given in Table III. Figure 2 presents sketches of the model. Figure 3 presents a photograph of the model.

INSTRUMENTATION

The 72-OTS model employed during this test program was outfitted for measurement of left-hand inboard and outboard elevon hinge moments, right-hand wing-root bending and torsion moments and shear force, total-vehicle six-component forces and moments, and base and sting-cavity pressures.

Standard strain-gauge beam instrumentation was used for the elevon and wing-panel data. The LRC #840 1.435-inch balance, installed in the orbiter, was employed for total-vehicle forces and moments. Separate differential pressure transducers were used to measure the eight (8) base and sting-cavity pressures, distributed on the Orbiter, External Tank, and left-hand Solid Rocket Booster.

Figure 2e shows the base pressure tap locations.

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TEST FACILITY DESCRIPTION

The NASA LaRC 4-Foot Unitary Plan Wind Tunnel (UPWT) is a closed-circuit, continuous flow, variable density facility. The test section is 4 feet by 4 feet by 7 feet long.

Two tunnel legs are available for supersonic testing in the Mach number ranges 1.47 to 2.86 (Leg No. 1) and 2.29 to 4.63 (Leg No.2). An asymmetric, sliding block nozzle position and total pressure setting provide the test Mach numbers at a specified Reynolds number. Reynolds number can be varied from 0.76 to 7.78 million per foot. Available stagnation pressure variation is 4.0 to 142. psia. Dynamic pressure variation is 95. to 1260. psf with normal operating stagnation temperature about 150°F in Mach modes 2 or 3 and about 175° in Mach mode 4. The tunnel is equipped with a dry air supply, an evacuating system, and a cooling system. The facility power is approximately 83,000 horsepower.

Model mounting provisions consist of various sting arrangements, including axial (longitudinal), lateral (independent pitch and yaw), and roll movement with side wall support. Schlieren system and oil flow visualization equipment are available. Data are recorded at the tunnel and reduced off-line at the Langley Computer Center. The tunnel is used for force and moment, pressure, and dynamic stability tests. Hot and cold jet effects and heat transfer have been studied in the UPWT.

DATA REDUCTION

Model force and pressure data were reduced to coefficient form in both the body axis and stability-axis systems. Standard NASA/LaRC wind tunnel methods were used as required to maintain compatibility with the Chrysler Corporation/DATAMAN format. A final data-tape was submitted to DATAMAN after test completion.

Body-axis data were corrected for base, cavity, and surface-pressure effects, as follows:

$$1) \quad C_{AF} = C_{AU} - C_{ABO} - C_{ABT} - 2C_{ABS}$$

where

$$C_{ABO} = -C_{PBO} \left(\frac{A_{BO}}{S_W} \right) - C_{PCO} \left(\frac{A_{CO}}{S_W} \right)$$

$$C_{ABT} = -C_{PBT} \left(\frac{A_{BT}}{S_W} \right)$$

$$C_{ABS} = -C_{PBS} \left(\frac{A_{BS}}{S_W} \right)$$

$$2) \quad C_{NF} = C_N - C_{NBO} - C_{NBF}$$

where

$$C_{PB2} = C_{PBF}$$

$$C_{NBF} = -C_{PB2} \left(\frac{A_{BF}}{S_W} \right)$$

$$C_{NBO} = -C_{PBO} \left(\frac{A_{BO} - A_{BOMS}}{S_W} \right) \tan i_B - C_{PCO} \left(\frac{A_{CO}}{S_W} \right) \tan i_B$$

$$3) \quad C_{mF} = C_m + C_{mBO} + C_{mBF}$$

where

$$C_{mBO} = C_{NBO} \left(\frac{l_{BX}}{l_B} \right) - C_{ABO} \left(\frac{h_{BZ}}{l_B} \right)$$

$$C_{mBF} = C_{NBF} \left(\frac{l_{BF}}{l_B} \right)$$

DATA REDUCTION (Continued)

Inboard and outboard elevon panel hinge-moment coefficients were computed as follows:

$$C_{HEI} = \frac{HM_{EI}}{qS_E \bar{c}_E}$$

$$C_{HEO} = \frac{HM_{EO}}{qS_E \bar{c}_E}$$

Right-wing exposed-panel bending and torsional moments, bending and torsional moment coefficients, and normal force were computed as follows:

$$N_W = \frac{(BM_{W1} - BM_{W2})}{(D1 - D2)}$$

$$TM_W = TM_{W3} + N_W G3$$

$$BM_W = \frac{BM_{W1} + BM_{W2} - N_W (D1 + D2)}{2}$$

$$C_{N_W} = \frac{N_W}{qS_W}$$

$$C_{B_W} = \frac{BM_W}{qS_W \bar{c}_W}$$

$$C_{T_W} = \frac{TM_W}{qS_W \bar{c}_W}$$

Left-hand inboard and outboard elevon deflection angles were corrected for elevon-deflection-due-to-load as follows:

$$\delta_{EIL} = \delta_{EILU} + HM_{EI} \left(\delta_{EIL} / HM_{EI} \right)$$

$$\delta_{EOL} = \delta_{EOLU} + HM_{EO} \left(\delta_{EOL} / HM_{EO} \right)$$

DATA REDUCTION (Continued)

where:

$$\left(\delta_{E_{IL}} / HM_{EI} \right) = \text{deg/in-lb calibration of the inboard elevon hinge-moment beam}$$

$$\left(\delta_{E_{OL}} / HM_{EO} \right) = \text{deg/in-lb calibration of the outboard elevon hinge-moment beam}$$

Elevon deflection angles, measured with no hinge-moment acting on them, differed from nominal values as follows:

NOMINAL δ_E , deg.	ACTUAL MEASURED δ_E , DEG.			
	LEFT OUTBOARD SURFACE	LEFT INBOARD SURFACE	RIGHT INBOARD SURFACE	RIGHT OUTBOARD SURFACE
-10	-9.537	--	--	-9.604
-5	-4.720	--	--	-4.027
0	0.000	0.000	0.000	0.000
2	3.647	--	--	1.982
4	5.039	--	--	3.969
8	--	7.665	7.385	--
9	10.436	--	--	9.905
10	--	10.203	9.110	--
12	--	12.081	10.999	--
14	15.778	--	--	14.467

Positions in the above array where values are not given represent deflection angles not used in this test.

DATA REDUCTION (Continued)

The following reference dimensions and constants were used for data reduction (lengths are given in inches, areas in square feet, and angles in degrees):

<u>Symbol</u>	<u>Model Scale</u>	<u>Full Scale</u>
ABF	0.0143	142.60
ABO	0.0270	269.70
ABOMS	0.0123	122.60
ABs	0.0236	236.46
ABT	0.0605	604.80
ACO	0.0167	167.00
bW	9.367	936.680
cE	0.907	90.700
cW	4.748	474.800
D1	- .3272	--
D2	- .8185	--
G3	+1.1700	--
hBz	3.365	336.500
iB	14.750	14.750
imAT129	.083	.083
imAT130	.133	.133
lB	12.903	1290.300
lBF	13.297	1329.70
lBX	12.630	1263.00
SE	0.0210	210.00

DATA REDUCTION (Continued)

<u>Symbol</u>	<u>Model Scale</u>	<u>Full Scale</u>
S_W	0.2690	2690.00
X_{BRC}	18.177	1817.700
X_{MRC}	9.760	976.000
X_{WRC}	20.480	2048.000
Y_{BRC}	0.000	0.000
Y_{MRC}	0.000	0.000
Y_{WRC}	1.050	105.000
Z_{BRC}	7.265	726.500
Z_{MRC}	4.000	400.000
$(\delta_{E_{I_L}} / HM_{E_I})$	0.47513°/in-lb (+HM)	--
	0.20625°/in-lb (-HM)	--
$(\delta_{E_{O_L}} / HM_{E_O})$	0.36667°/in-lb (+HM)	--
	0.18333°/in-lb (-HM)	--

The wind tunnel coefficient data presented in this report have been corrected for base cavity and base pressure effects. These data have also been interpolated versus Mach number, angle-of-attack, and angle-of-sideslip.

The following coefficients were requested for additional interpolation versus elevon deflection angles (ELV-LI, ELV-LO), to the nominal values (see table II):

<u>INPUT</u>	<u>COEFFICIENTS</u>							
<u>DATA SETS</u>								
FJKOXX	CNW	CBW	CTW					
IJKOXX	CABO	CABT	CABS	CAF	CNF	CLMF		
MJKOXX	CYN	CBL	CY	CHEI	CHEO	ELV-LI	ELV-LO	

DATA REDUCTION (Concluded)

These coefficient data were combined to form the following data sets:

<u>OUTPUT</u> <u>DATA SETS</u>	<u>COEFFICIENTS</u>
MJKAXX	CNW CBW CTW CYN CBL CY CHEI ELV-LI CHEO ELV-LO
MJKBXX	CAF CNF CLMF CABO CABT CABS CHEI ELV-LI CHEO ELV-LO

Data at Mach number 2.0 and data representing data sets 1-16 could not be evenly interpolated due to limited data.

TABLE I.

[illegible]

TABLE II.

TEST: <u>IA94A(LARC UPNT-1152)</u>		DATA SET/RUN NUMBER COLLATION SUMMARY										DATE: <u>9/30/76</u>						
DATA SET IDENTIFIER	CONFIGURATION	SCHD.		PARAMETERS/VALUES				NO OF RUNS	MACH NUMBERS (OR ALTERNATE INDEPENDENT VARIABLE)									
		α	β	δ_{EI}	δ_{Ed}						1.55	2.00						
<u>JK001</u>	<u>$\phi TS + AT129$</u>	A	-6	0	0			2	3	8								
02			-4					2	4	9								
03			0					2	2	7								
04			4					2	5	10								
05			6					2	6	11								
06	<u>Y</u>		0					2	1	12	(INVERTED)							
07	<u>$\phi TS + AT130$</u>		-6					2	14	19								
08			-4					2	15	20								
09			0					2	13	18								
10			4					2	16	21								
11			6		<u>Y</u>			2	17	22								
12			-6		-5			1		24								
13			-4					1		25								
14			0					1		23								
15			4					1		26								
<u>Y</u> 16	<u>Y</u>	<u>Y</u>	6	<u>Y</u>	<u>Y</u>			1		27								
CPB1, CPB2, CPB3, CPB4,5, CPB6, CPB7, CPB8, CPC ϕ , CAU, CNU, MACH, ALPHA, 10																		
CTN, CBL, CLMU, CHEI, CHE ϕ , Q(CSF), CY, MACH, ALPHA, 7																		
RN/L, L/DU, BETA, CLU, CDU, CNW, CBW, CTW, MACH, ALPHA, 8																		
TYPE OF DATA <u>A) $\alpha = -8^\circ, -6^\circ, -4^\circ, -2^\circ, 0^\circ, 2^\circ, 4^\circ$</u> COEFFICIENT SCHEDULES _____ IDVAR (1) _____ IDVAR (2) _____ NDV _____																		
SCHEDULES _____																		

TEST RUN NUMBERS

TABLE II. (Continued)

DATA SET IDENTIFIER		CONFIGURATION	SCHD.		PARAMETERS/VALUES		NO. OF RUNS	MACH NUMBERS (OR ALTERNATE INDEPENDENT VARIABLE)									
			α	β	δ_{E1}	δ_{E2}		1.55	2.00								
(3)	JK017	$\phi TS + AT130$	A	-6	10	-5		2	29	34							
	18			-4				2	30	35							
	19			0				2	28	33							
	20			4				2	31	36							
	21			6		Y		2	32	37							
	22			-6		2		2	39	44							
	23			-4				2	40	45							
	24			0				2	38	43							
	25			4				2	41	46							
	26			6		Y		2	42	47							
	27			-6		-10		2	49	54							
	28			-4				2	50	55							
	29			0				2	48	53							
	30			4				2	51	56							
Y	31	Y	Y	6	Y	Y		2	52	57							

TEST RUN NUMBERS

TYPE OF DATA
 α OR β
 SCHEDULES

COEFFICIENT SCHEDULES

IDVAR (1) IDVAR (2) NDV

TABLE II. (Continued)

TEST :IA94A(LARC UPWT-1152)				DATA SET/RUN NUMBER COLLATION SUMMARY						DATE : 9/30/76								
DATA SET IDENTIFIER	CONFIGURATION	SCHD.		PARAMETERS/VALUES			NO. OF RUNS	MACH NUMBERS (OR ALTERNATE INDEPENDENT VARIABLE)										
		α	β	δE_T	δE_ϕ				1.55	2.00								
(K) JK032	$\phi TS + AT 130$	A	-6	12	-10		1	59										
33			-4				1	60										
34			0				1	58										
35			4				1	61										
36			6		Y		1	62										
37			-6		-5		2	64	69									
38			-4				2	65	70									
39			0				2	63	68									
40			4				2	66	71									
41			6		Y		2	67	72									
42			-6		2		1	74										
43			-4				1	75										
44			0				1	73										
45			4				1	76										
Y 46	Y	Y	6	Y	Y		1	77										

TABLE II. (Concluded)

DATA SET IDENTIFIER		CONFIGURATION	SCHD.		PARAMETERS/VALUES		NO. OF RUNS	MACH NUMBERS (OR ALTERNATE INDEPENDENT VARIABLE)									
			α	β	δ_{E_I}	δ_{E_ϕ}		1.55	2.00								
(R27)	JK047	$\phi TS + AT130$	A	-6	8	2		1	79								
	48			-4				1	80								
	49			0				1	78								
	50			4				1	81								
	51			6		Y		1	82								
	52			-6		-5		1	84								
	53			-4				1	85								
	54			0				1	83								
	55			4				1	86								
	56			6		Y		1	87								
	57			-6		-10		1	89								
	58			-4				1	90								
	59			0				1	88								
	60			4				1	91								
Y	61	Y	Y	6	Y	Y		1	92								

TEST-RUN NUMBERS

TYPE OF DATA
 α OR β
 SCHEDULES

COEFFICIENT SCHEDULES

IDVAR (1) IDVAR (2) NDV

TABLE III. MODEL DIMENSIONAL DATA

MODEL COMPONENT: ATTACH STRUCTURE - AT₂₈

GENERAL DESCRIPTION: Rear orbiter to ET attach structure (left-hand and right-hand) (two members)

MODEL SCALE: 0.010

DRAWING NUMBER: VL78-000063, VL78-000062B

DIMENSIONS: in.		<u>FULL SCALE</u>	<u>MODEL SCALE</u>
Member #1	X _O	1317.00	13.170
	Y _O	- 96.50 (LH)	- 0.965
		96.50 (RH)	0.965
	Z _O	267.50	2.675
	X _T	2058.0	20.580
	Y _T	- 96.50 (LH)	- 0.965
		96.50 (RH)	0.965
	Z _T	515.50	5.155
Member #2	X _O	1317.0	13.170
	Y _O	- 96.50 (LH)	- 0.965
		96.50 (RH)	0.965
	Z _O	267.50	2.675
	X _T	1872.0	18.720
	Y _T	- 125.68 (LH)	- 1.257
		125.68 (RH)	1.257
	Z _T	504.5	5.045
Diameter, In.			
	#1	11.5	0.115
	#2	15.5	0.155

TABLE III. MODEL DIMENSIONAL DATA (Continued)

MODEL COMPONENT: ATTACH STRUCTURE - AT₃₀

GENERAL DESCRIPTION: Forward SRB to ET attach structure (left-hand and right-hand)

MODEL SCALE: 0.010

DRAWING NUMBER: VL78-000066, Martin-Marietta 82600204300, VC78-000002

DIMENSIONS:		<u>FULL SCALE</u>	<u>MODEL SCALE</u>
Attach point, in.	X _T	985.675	9.856
	Y _T	- 172.50 (LH) + 172.50 (RH)	- 1.725 + 1.725
	Z _T	0.0	0.0
	X _S	442.675	4.427
	Y _S	80.0	0.800
	Z _S	0.0	0.0
	X _O	244.675	2.447
	Y _O	- 184.5 + 184.5	- 1.845 + 1.845
	Z _O	0.0	0.0

TABLE Jii. MODEL DIMENSIONAL DATA (Continued)

MODEL COMPONENT: ATTACH STRUCTURE - AT₃₁

GENERAL DESCRIPTION: Rear ET to SRB attach structure (LH and RH), 3 members

MODEL SCALE: 0.010

DRAWING NUMBER: VL78-000063, VL78-000062B, VL78-000066, VC78-000002

DIMENSIONS: in.		<u>FULL SCALE</u>	<u>MODEL SCALE</u>
Member #1	X _T	2058.00	20.580
	Y _T	- 171.50 (LH)	- 1.715
		171.50 (RH)	1.715
	Z _T	457.00	4.570
	X _S	1511.0	15.110
	Y _S	53.24	0.532
	Z _S	57.0	0.570
Member #2	X _T	2058.0	20.580
	X _T	- 163.85	- 1.639
	Z _T	449.81	4.498
	X _S	1511.0	15.110
	Y _S	76.56	0.766
	Z _S	15.73	0.157
Member #3	X _T	2058.00	20.580
	X _T	- 161.72	- 1.617
	Z _T	343.0	3.430
	X _S	1511.0	15.110
	Y _S	53.24	0.532
	Z _S	- 57.00	- 0.570

TABLE III. MODEL DIMENSIONAL DATA (Continued)

MODEL COMPONENT: ATTACH STRUCTURE - AT₁₃₀

GENERAL DESCRIPTION: Forward orbiter/ET attach structure (2 members structure).

MODEL SCALE: 0.010

DRAWING NUMBER: SS-A01692

DIMENSIONS:		<u>FULL SCALE</u>	<u>MODEL SCALE</u>
Orbiter attach point:	X _O	388.9	3.889
	Y _O	0 (LH)	0
		0 (RH)	0
	Z _O	283.8	2.838
	X _T	1129.9	11.299
	Y _T	0 (LH)	0
		0 (RH)	0
	Z _T	620.3	6.203
Tank attach point:	X _T	388.9	3.889
	Y _T	42.75 (LH)	.4275
		42.75 (RH)	.4275
	Z _T	227.5	2.275
	X _O	1129.9	11.299
	Y _O	42.75 (LH)	.4275
		42.75 (RH)	.4275
	Z _O	564.0	5.640

TABLE III. MODEL DIMENSIONAL DATA (Continued)

<u>Component</u>	<u>Definition</u>						
AT ₁₂₉	Oversize Orbiter/External Tank front attach structure per model dwg. SS-A01317-28. Wishbone type support located at: <table> <tr> <th><u>Model Scale-In.</u></th><th><u>Full Scale-In.</u></th></tr> <tr> <td>X_O = 3.889</td><td>X_O = 388.90</td></tr> <tr> <td>X_T = 11.299</td><td>X_T = 1129.90</td></tr> </table>	<u>Model Scale-In.</u>	<u>Full Scale-In.</u>	X _O = 3.889	X _O = 388.90	X _T = 11.299	X _T = 1129.90
<u>Model Scale-In.</u>	<u>Full Scale-In.</u>						
X _O = 3.889	X _O = 388.90						
X _T = 11.299	X _T = 1129.90						
AT ₁₃₁	Rear Orbiter/External Tank attach structure per model dwg. SS-A01668-3. This attach structure is a connecting link between R.H. AT ₂₈ and External Tank. Located at: <table> <tr> <th><u>Model Scale-In.</u></th><th><u>Full Scale-In.</u></th></tr> <tr> <td>X_T = 20.580</td><td>X_T = 2058.00</td></tr> </table>	<u>Model Scale-In.</u>	<u>Full Scale-In.</u>	X _T = 20.580	X _T = 2058.00		
<u>Model Scale-In.</u>	<u>Full Scale-In.</u>						
X _T = 20.580	X _T = 2058.00						

TABLE III. MODEL DIMENSIONAL DATA (Continued)

MODEL COMPONENT: BODY - B₂₆

GENERAL DESCRIPTION: Configuration 140A/B orbiter fuselage

NOTE: B₂₆ is identical to B₂₄ except underside of fuselage has been refaired to accept W₁₁₆.

MODEL SCALE: 0.010 MODEL DRAWING: SS-A00147, Release 12

DRAWING NUMBER: VL70-000143B, -000200, -000205, -006089, -000145
VL70-000140A, -000140B

DIMENSIONS:	<u>FULL SCALE</u>	<u>MODEL SCALE</u>
Length (OML: Fwd Sta. X ₀ = 235), In.	1293.3	12.933
Length (IML: Fwd Sta. X ₀ = 238), In.	1290.3	12.903
Max Width (@ X ₀ = 1528.3), In.	264.0	2.640
Max Depth (@ X ₀ = 1464), In.	250.0	2.500
Fineness Ratio	0.264	0.264
Area - Ft ²		
Max. Cross-Sectional	340.88	0.034

TABLE III. MODEL DIMENSIONAL DATA (Continued)

MODEL COMPONENT: CANOPY - C₉

GENERAL DESCRIPTION: Configuration 3A. Canopy used with fuselage B₂₆.

MODEL SCALE: 0.0100

MODEL DRAWING: SS-A00147, Release 12

DRAWING NUMBER: VL70-000143A

DIMENSIONS:	<u>FULL SCALE</u>	<u>MODEL SCALE</u>
Length ($X_0 = 434.643$ to 578), In.	143.357	1.434
Max Width (@ $X_0 = 513.127$), In.	152.412	1.524
Max Depth (@ $X_0 = 485.0$), In.	25.000	0.250

TABLE III. MODEL DIMENSIONAL DATA (Continued)

MODEL COMPONENT: ELEVON, E₅₂

GENERAL DESCRIPTION: Elevon for Configuration 140C. Hingeline at $X_0 = 1387$, elevon split line $X_c = 312.5$. 6.0" gaps, beveled edges, and centerbodies.

MODEL SCALE: 0.010

DRAWING NUMBER: VL70-000140C, -006089, -006092, SS-A0137

DIMENSIONS: (Data for one side)	<u>FULL SCALE</u>	<u>MODEL SCALE</u>
Area - Ft ²	210.0	0.0210
Span (equivalent) - In.	349.2	3.492
Inb'd equivalent chord - In.	118.0	1.180
Outb'd equivalent chord - In.	55.19	0.552
Ratio movable surface chord/ total surface chord		
At inb'd equiv. chord	0.2096	0.2096
At outb'd equiv. chord	0.4004	0.4004
Sweep Back Angles, degrees		
Leading Edge	0.0	0.0
Trailing Edge	-10.056	-10.056
Hingeline	0.00	0.00
Area Moment (Normal to hinge line)-ft ³	1587.25	.001587
Mean Aerodynamic Chord, In.	90.7	0.907
Hingeline dihedral (origin at $Z_0 = 261.3509$), deg.	5.228986	5.228986

TABLE III. MODEL DIMENSIONAL DATA (Continued)

MODEL COMPONENT: BODY FLAP - F_{10}

GENERAL DESCRIPTION: Configuration 140C body flap. Hingeline located at $X_0 = 1532$, $Z_0 = 287$.

MODEL SCALE: 0.010

DRAWING NUMBER: VL70-000140C, VL70-355114

DIMENSIONS:	<u>FULL SCALE</u>	<u>MODEL SCALE</u>
Length ($X_0 = 1525.5 - X_0 = 1613$), In.	87.50	0.875
Max Width (@ L.E., $X_0 = 1525.5$), In.	256.00	2.560
Max Depth ($X_0 = 1532$), In.	19.798	0.198
Fineness Ratio		
Area - Ft^2		
Max. Cross-Sectional (@ H.L.)	35.196	0.0035
Planform	135.00	0.014
Wetted		
Base ($X_0 = 1613$), In.	4.89	0.0005

TABLE III. MODEL DIMENSIONAL DATA (Continued)

MODEL COMPONENT: FEEDLINE - FL₁₀

GENERAL DESCRIPTION: LH₂ feedline on upper left-hand side of T₃₅.

MODEL SCALE: 0.030

DRAWING NUMBER: VL78-000063, VL78-000062B

DIMENSIONS: in.		<u>FULL SCALE</u>	<u>MODEL SCALE</u>
Leading edge at:	X _T	2071.5	20.715
	Y _T	- 70.0	- 0.700
	Z _T	573.934	5.739
Tailing edge at:	X _T	2081.8	20.818
	Y _T	- 70.0	- 0.700
	Z _T	584.059	5.841
Line diameter (17.0 I.D.)		18.160	0.182

TABLE III. MODEL DIMENSIONAL DATA (Continued)

MODEL COMPONENT: FEEDLINE - FL₁₁

GENERAL DESCRIPTION: LO₂ feedline on upper right-hand side of T₃₅.

MODEL SCALE: 0.010

DRAWING NUMBER: VL78-000063, VL78-000062B

DIMENSIONS: in.		<u>FULL SCALE</u>	<u>MODEL SCALE</u>
Leading edge at:	X _T	1000.667	10.007
	Y _T	70.00	0.700
	Z _T	564.340	5.643
Trailing edge at:	X _T	2071.5	20.715
	Y _T	70.00	0.700
	Z _T	573.934	5.739
Line diameter (17.0 I.D.)		18.16	0.182

Centerline of line located radially at $\phi = 203^{\circ}4'$.

TABLE III. MODEL DIMENSIONAL DATA (Continued)

MODEL COMPONENT: FAIRING -FR₁₀

GENERAL DESCRIPTION: Umbilical door fairing between aft ET/orbiter
attach structure,

MODEL SCALE: 0.010

DRAWING NUMBER: VL78-000063, VL78-000062B, Martin-Marietta 82600207000

DIMENSIONS:		<u>FULL SCALE</u>	<u>MODEL SCALE</u>
Leading edge at	X _T	2052.0	20.520
Length, In.		193.0	1.930
Width, In.		15.00	0.150

TABLE III. MODEL DIMENSIONAL DATA (Continued)

<u>Component</u>	<u>Definition</u>						
FR ₁₄	External Tank nose cable fairing per model dwg. SS-A01668-5 located at:						
	<table> <tr> <th><u>Model Scale</u></th><th><u>Full Scale</u></th></tr> <tr> <td>$X_T = 3.490 \rightarrow 3.710, \text{In.}$</td><td>$X_T = 349.00 \rightarrow 371.00, \text{In.}$</td></tr> <tr> <td>$\phi = 31^{\circ}31'$</td><td>$\phi = 31^{\circ}31'$</td></tr> </table>	<u>Model Scale</u>	<u>Full Scale</u>	$X_T = 3.490 \rightarrow 3.710, \text{In.}$	$X_T = 349.00 \rightarrow 371.00, \text{In.}$	$\phi = 31^{\circ}31'$	$\phi = 31^{\circ}31'$
<u>Model Scale</u>	<u>Full Scale</u>						
$X_T = 3.490 \rightarrow 3.710, \text{In.}$	$X_T = 349.00 \rightarrow 371.00, \text{In.}$						
$\phi = 31^{\circ}31'$	$\phi = 31^{\circ}31'$						
FR ₁₅	External Tank nose probe fairing per model dwg. SS-A01668-5 located at:						
	<table> <tr> <th><u>Model Scale</u></th><th><u>Full Scale</u></th></tr> <tr> <td>$X_T = 3.413 \rightarrow 3.710, \text{In.}$</td><td>$X_T = 341.30 \rightarrow 371.00, \text{In.}$</td></tr> </table>	<u>Model Scale</u>	<u>Full Scale</u>	$X_T = 3.413 \rightarrow 3.710, \text{In.}$	$X_T = 341.30 \rightarrow 371.00, \text{In.}$		
<u>Model Scale</u>	<u>Full Scale</u>						
$X_T = 3.413 \rightarrow 3.710, \text{In.}$	$X_T = 341.30 \rightarrow 371.00, \text{In.}$						
FR ₁₆	External Tank LO ₂ feedline (F ₁₁) fairing per model dwg. SS-A01668-3 located at:						
	<table> <tr> <th><u>Model Scale</u></th><th><u>Full Scale</u></th></tr> <tr> <td>$X_T = 9.820 \rightarrow 10.420, \text{In.}$</td><td>$X_T = 982.00 \rightarrow 1042.00, \text{In.}$</td></tr> </table>	<u>Model Scale</u>	<u>Full Scale</u>	$X_T = 9.820 \rightarrow 10.420, \text{In.}$	$X_T = 982.00 \rightarrow 1042.00, \text{In.}$		
<u>Model Scale</u>	<u>Full Scale</u>						
$X_T = 9.820 \rightarrow 10.420, \text{In.}$	$X_T = 982.00 \rightarrow 1042.00, \text{In.}$						

TABLE III. MODEL DIMENSIONAL DATA (Continued).

<u>Component</u>	<u>Definition</u>						
FR ₁₇	External Tank LO ₂ antigeysers line (PT ₂₃) fairing per model dwg. SS-A01668-3. Located at:						
	<table> <tr> <th><u>Model Scale</u></th><th><u>Full Scale</u></th></tr> <tr> <td>X_T = 9.860→10.460, In.</td><td>X_T = 986.00→1046.00, In.</td></tr> <tr> <td>φ = 33°45'</td><td>φ = 33°45'</td></tr> </table>	<u>Model Scale</u>	<u>Full Scale</u>	X _T = 9.860→10.460, In.	X _T = 986.00→1046.00, In.	φ = 33°45'	φ = 33°45'
<u>Model Scale</u>	<u>Full Scale</u>						
X _T = 9.860→10.460, In.	X _T = 986.00→1046.00, In.						
φ = 33°45'	φ = 33°45'						
FR ₁₈	External Tank aft electrical conduit (PT ₂₅) fairing per model dwg. SS-A01668-3. Located at:						
	<table> <tr> <th><u>Model Scale</u></th><th><u>Full Scale</u></th></tr> <tr> <td>X_T = 10.670→10.820, In.</td><td>X_T = 1067.00→1082.00, In.</td></tr> <tr> <td>φ = 37°30'</td><td>φ = 37°30'</td></tr> </table>	<u>Model Scale</u>	<u>Full Scale</u>	X _T = 10.670→10.820, In.	X _T = 1067.00→1082.00, In.	φ = 37°30'	φ = 37°30'
<u>Model Scale</u>	<u>Full Scale</u>						
X _T = 10.670→10.820, In.	X _T = 1067.00→1082.00, In.						
φ = 37°30'	φ = 37°30'						
FR ₁₉	External Tank LH ₂ pressure line (PT ₃₃) fairing per model dwg. SS-A01668-9. Located at:						
	<table> <tr> <th><u>Model Scale</u></th><th><u>Full Scale</u></th></tr> <tr> <td>X_T = 10.600→11.269, In.</td><td>X_T = 1060.00→1126.90, In.</td></tr> <tr> <td>φ = 30°0'</td><td>φ = 30°0'</td></tr> </table>	<u>Model Scale</u>	<u>Full Scale</u>	X _T = 10.600→11.269, In.	X _T = 1060.00→1126.90, In.	φ = 30°0'	φ = 30°0'
<u>Model Scale</u>	<u>Full Scale</u>						
X _T = 10.600→11.269, In.	X _T = 1060.00→1126.90, In.						
φ = 30°0'	φ = 30°0'						

TABLE III. MODEL DIMENSIONAL DATA(Continued)

MODEL COMPONENT: OMS POD - M₁₆

GENERAL DESCRIPTION: Configuration 140C orbiter OMS pod - short pod.

MODEL SCALE: 0.010

DRAWING NUMBER: VL70-008401, VL70-008410

DIMENSIONS:	<u>FULL SCALE</u>	<u>MODEL SCALE</u>
Length (OMS Fwd Sta. $X_0 = 1310.5$), In.	258.50	2.585
Max Width (@ $X_0 = 1511$), In.	136.8	1.368
Max Depth (@ $X_0 = 1511$), In.	74.70	0.747
Fineness Ratio	2.484	2.484
Area - Ft ²		
Max. Cross-Sectional	58.864	0.0059

TABLE III. MODEL DIMENSIONAL DATA (Continued)

<u>Component</u>	<u>Definition</u>								
N ₈₉	Orbiter OMS nozzles located on OMS pods M ₁₆ per model dwg. SS-A01317-2.								
N ₁₀₆	Solid Rocket Booster nozzle located on SRB S ₂₄ per model dwg. SS-A01667-8. Located at:								
	<table> <tr> <th><u>Model Scale</u></th><th><u>Full Scale</u></th></tr> <tr> <td>X_s = 18.371→19.306, In.</td><td>X_s = 1837.10→1930.60, In.</td></tr> <tr> <td>Dia. = 1.479, In.</td><td>Dia. = 147.85, In.</td></tr> </table>	<u>Model Scale</u>	<u>Full Scale</u>	X _s = 18.371→19.306, In.	X _s = 1837.10→1930.60, In.	Dia. = 1.479, In.	Dia. = 147.85, In.		
<u>Model Scale</u>	<u>Full Scale</u>								
X _s = 18.371→19.306, In.	X _s = 1837.10→1930.60, In.								
Dia. = 1.479, In.	Dia. = 147.85, In.								
PS ₂₀	Solid Rocket Booster electrical conduit per model dwg. SS-A01667-12. Located at:								
	<table> <tr> <th><u>Model Scale</u></th><th><u>Full Scale</u></th></tr> <tr> <td>X_s = 4.424→18.577, In.</td><td>X_s = 442.40→1857.70, In.</td></tr> <tr> <td>φ = 90° LH</td><td>φ = 90° RH</td></tr> <tr> <td>180° LH</td><td>180° LH</td></tr> </table>	<u>Model Scale</u>	<u>Full Scale</u>	X _s = 4.424→18.577, In.	X _s = 442.40→1857.70, In.	φ = 90° LH	φ = 90° RH	180° LH	180° LH
<u>Model Scale</u>	<u>Full Scale</u>								
X _s = 4.424→18.577, In.	X _s = 442.40→1857.70, In.								
φ = 90° LH	φ = 90° RH								
180° LH	180° LH								
PS ₂₃	Solid Rocket Booster forward separation motors per model dwg. SS-A01667-42.								
	<table> <tr> <th><u>Model Scale</u></th><th><u>Full Scale</u></th></tr> <tr> <td>X_s = 2.854 and 2.973, In.</td><td>X_s = 285.40 and 297.30, In.</td></tr> <tr> <td>φ = 20° RH</td><td>φ = 20° RH</td></tr> <tr> <td>340° LH</td><td>340° LH</td></tr> </table>	<u>Model Scale</u>	<u>Full Scale</u>	X _s = 2.854 and 2.973, In.	X _s = 285.40 and 297.30, In.	φ = 20° RH	φ = 20° RH	340° LH	340° LH
<u>Model Scale</u>	<u>Full Scale</u>								
X _s = 2.854 and 2.973, In.	X _s = 285.40 and 297.30, In.								
φ = 20° RH	φ = 20° RH								
340° LH	340° LH								

TABLE III. MODEL DIMENSIONAL DATA (Continued)

MODEL COMPONENT : SRB Protuberance - PS₂₇

GENERAL DESCRIPTION : SRM nozzle actuator struts (2)

MODEL SCALE: 0.010

DRAWING NUMBER : ICD-2-00001, Rev. B; SS-A01667, Rev. C

DIMENSIONS : inches	FULL SCALE	MODEL SCALE
Length	<u>21.25</u>	<u>0.213</u>
Width	<u>3.0</u>	<u>0.030</u>
Height/Depth	<u>4.890</u>	<u>0.049</u>
L. E. Location	<u>1839.137</u>	<u>18.391</u>
T. E. Location	<u>1860.387</u>	<u>18.604</u>
ϕ , Degrees	<u>45</u> <u>135</u>	<u>45</u> <u>135</u>

TABLE III. MODEL DIMENSIONAL DATA (Continued)

<u>Component</u>	<u>Definition</u>				
PS ₂₆	Solid Rocket Booster aft attach ring per model dwg. SS-A01667-4 located at: <table> <tr> <th><u>Model Scale</u></th><th><u>Full Scale</u></th></tr> <tr> <td>$X_s = 15.110, \text{ In.}$</td><td>$X_s = 1511.00, \text{ In.}$</td></tr> </table>	<u>Model Scale</u>	<u>Full Scale</u>	$X_s = 15.110, \text{ In.}$	$X_s = 1511.00, \text{ In.}$
<u>Model Scale</u>	<u>Full Scale</u>				
$X_s = 15.110, \text{ In.}$	$X_s = 1511.00, \text{ In.}$				
PS ₂₈	Solid Rocket Booster separation rocket motor fairings per model dwg. SS-A01667-38. Located on SRB skirt aft of rear structural ring at $\phi = 0 \rightarrow 36^\circ \text{ RH}$ $324^\circ \rightarrow 360^\circ \text{ LH}.$				
PS ₂₉	Solid Rocket Booster tiedown struts located on SRB skirt per model dwg. SS-A01667-30, located at: <table> <tr> <th><u>Model Scale</u></th><th><u>Full Scale</u></th></tr> <tr> <td>$X_s = 18.603 \rightarrow 19.306, \text{ In.}$ $\phi = 30^\circ, 150^\circ, 210^\circ, 330^\circ$</td><td>$X_s = 1860.30 \rightarrow 1930.60, \text{ In.}$ $\phi = 30^\circ, 150^\circ, 210^\circ, 330^\circ$</td></tr> </table>	<u>Model Scale</u>	<u>Full Scale</u>	$X_s = 18.603 \rightarrow 19.306, \text{ In.}$ $\phi = 30^\circ, 150^\circ, 210^\circ, 330^\circ$	$X_s = 1860.30 \rightarrow 1930.60, \text{ In.}$ $\phi = 30^\circ, 150^\circ, 210^\circ, 330^\circ$
<u>Model Scale</u>	<u>Full Scale</u>				
$X_s = 18.603 \rightarrow 19.306, \text{ In.}$ $\phi = 30^\circ, 150^\circ, 210^\circ, 330^\circ$	$X_s = 1860.30 \rightarrow 1930.60, \text{ In.}$ $\phi = 30^\circ, 150^\circ, 210^\circ, 330^\circ$				
PS ₃₀	Solid Rocket Booster auxiliary power unit exhaust outlets per model dwg. SS-A01667-36, located at: <table> <tr> <th><u>Model Scale</u></th><th><u>Full Scale</u></th></tr> <tr> <td>$X_s = 19.306, \text{ In.}$ $\phi = 30^\circ 30' \text{ RH}$ $= 329^\circ 30' \text{ LH}$</td><td>$X_s = 1930.60, \text{ In.}$ $\phi = 30^\circ 30' \text{ RH}$ $= 329^\circ 30' \text{ LH}$</td></tr> </table>	<u>Model Scale</u>	<u>Full Scale</u>	$X_s = 19.306, \text{ In.}$ $\phi = 30^\circ 30' \text{ RH}$ $= 329^\circ 30' \text{ LH}$	$X_s = 1930.60, \text{ In.}$ $\phi = 30^\circ 30' \text{ RH}$ $= 329^\circ 30' \text{ LH}$
<u>Model Scale</u>	<u>Full Scale</u>				
$X_s = 19.306, \text{ In.}$ $\phi = 30^\circ 30' \text{ RH}$ $= 329^\circ 30' \text{ LH}$	$X_s = 1930.60, \text{ In.}$ $\phi = 30^\circ 30' \text{ RH}$ $= 329^\circ 30' \text{ LH}$				

TABLE III. MODEL DIMENSIONAL DATA (Continued)

<u>Component</u>	<u>Definition</u>								
PS ₃₁	Solid Rocket Booster command antenna per model dwg. SS-A01667-28, located at:								
	<table> <tr> <th><u>Model Scale</u></th><th><u>Full Scale</u></th></tr> <tr> <td>$X_s = 4.026 \rightarrow 4.526$, In.</td><td>$X_s = 402.60 \rightarrow 452.60$, In.</td></tr> <tr> <td>$\phi = 0^\circ \text{ \& } 180^\circ$</td><td>$\phi = 0^\circ \text{ \& } 180^\circ$</td></tr> </table>	<u>Model Scale</u>	<u>Full Scale</u>	$X_s = 4.026 \rightarrow 4.526$, In.	$X_s = 402.60 \rightarrow 452.60$, In.	$\phi = 0^\circ \text{ \& } 180^\circ$	$\phi = 0^\circ \text{ \& } 180^\circ$		
<u>Model Scale</u>	<u>Full Scale</u>								
$X_s = 4.026 \rightarrow 4.526$, In.	$X_s = 402.60 \rightarrow 452.60$, In.								
$\phi = 0^\circ \text{ \& } 180^\circ$	$\phi = 0^\circ \text{ \& } 180^\circ$								
PS ₃₂	Solid Rocket Booster data capsule and camera per model dwg. SS-A01667-26, located at:								
	<table> <tr> <th><u>Model Scale</u></th><th><u>Full Scale</u></th></tr> <tr> <td>$X_s = 4.017 \rightarrow 4.402$, In.</td><td>$X_s = 401.70 \rightarrow 440.20$, In.</td></tr> <tr> <td>$\phi = 90^\circ \text{ RH}$</td><td>$\phi = 90^\circ \text{ RH}$</td></tr> <tr> <td>$= 270^\circ \text{ LH}$</td><td>$= 270^\circ \text{ LH}$</td></tr> </table>	<u>Model Scale</u>	<u>Full Scale</u>	$X_s = 4.017 \rightarrow 4.402$, In.	$X_s = 401.70 \rightarrow 440.20$, In.	$\phi = 90^\circ \text{ RH}$	$\phi = 90^\circ \text{ RH}$	$= 270^\circ \text{ LH}$	$= 270^\circ \text{ LH}$
<u>Model Scale</u>	<u>Full Scale</u>								
$X_s = 4.017 \rightarrow 4.402$, In.	$X_s = 401.70 \rightarrow 440.20$, In.								
$\phi = 90^\circ \text{ RH}$	$\phi = 90^\circ \text{ RH}$								
$= 270^\circ \text{ LH}$	$= 270^\circ \text{ LH}$								
PS ₃₃	Solid Rocket Booster 3 intermediate structural rings per model dwg. SS-A01667-8, located at:								
	<table> <tr> <th><u>Model Scale</u></th><th><u>Full Scale</u></th></tr> <tr> <td>$X_s = 16.559$, In.</td><td>$X_s = 1655.90$, In.</td></tr> <tr> <td>$= 17.319$</td><td>$= 1731.90$</td></tr> <tr> <td>$= 17.760$</td><td>$= 1776.00$</td></tr> </table>	<u>Model Scale</u>	<u>Full Scale</u>	$X_s = 16.559$, In.	$X_s = 1655.90$, In.	$= 17.319$	$= 1731.90$	$= 17.760$	$= 1776.00$
<u>Model Scale</u>	<u>Full Scale</u>								
$X_s = 16.559$, In.	$X_s = 1655.90$, In.								
$= 17.319$	$= 1731.90$								
$= 17.760$	$= 1776.00$								

TABLE III. MODEL DIMENSIONAL DATA (Continued)

<u>Component</u>	<u>Definition</u>								
PS ₃₄	Solid Rocket Booster aft cable housing per model dwg. SS-A01667-12, located at:								
	<table> <tr> <th><u>Model Scale</u></th><th><u>Full Scale</u></th></tr> <tr> <td>$X_s = 4.726 \rightarrow 18.554, \text{In.}$</td><td>$X_s = 472.60 \rightarrow 1855.40, \text{In.}$</td></tr> <tr> <td>$\phi = 90^\circ \text{ RH}$</td><td>$\phi = 90^\circ \text{ RH}$</td></tr> <tr> <td>$= 180^\circ \text{ LH}$</td><td>$= 180^\circ \text{ LH}$</td></tr> </table>	<u>Model Scale</u>	<u>Full Scale</u>	$X_s = 4.726 \rightarrow 18.554, \text{In.}$	$X_s = 472.60 \rightarrow 1855.40, \text{In.}$	$\phi = 90^\circ \text{ RH}$	$\phi = 90^\circ \text{ RH}$	$= 180^\circ \text{ LH}$	$= 180^\circ \text{ LH}$
<u>Model Scale</u>	<u>Full Scale</u>								
$X_s = 4.726 \rightarrow 18.554, \text{In.}$	$X_s = 472.60 \rightarrow 1855.40, \text{In.}$								
$\phi = 90^\circ \text{ RH}$	$\phi = 90^\circ \text{ RH}$								
$= 180^\circ \text{ LH}$	$= 180^\circ \text{ LH}$								
PS ₃₅	Solid Rocket Booster aft structural ring per model dwg. SS-A01667-8, located at:								
	<table> <tr> <th><u>Model Scale</u></th><th><u>Full Scale</u></th></tr> <tr> <td>$X_s = 18.371, \text{In.}$</td><td>$X_s = 1837.10, \text{In.}$</td></tr> </table>	<u>Model Scale</u>	<u>Full Scale</u>	$X_s = 18.371, \text{In.}$	$X_s = 1837.10, \text{In.}$				
<u>Model Scale</u>	<u>Full Scale</u>								
$X_s = 18.371, \text{In.}$	$X_s = 1837.10, \text{In.}$								
PS ₃₆	Solid Rocket Booster aft separation motors located on aft SRB skirts per model dwg. SS-A01667-38. Located aft of SRB rear structural ring at $\phi = 0 \rightarrow 36^\circ \text{ RH}$ $= 324^\circ \rightarrow 360^\circ \text{ LH.}$								

TABLE III. MODEL DIMENSIONAL DATA (Continued)

MODEL COMPONENT: LO_2 RECIRCULATION LINE - PT₂₃

GENERAL DESCRIPTION: LO_2 recirculation line on right-hand upper side of T₃₅.

MODEL SCALE: 0.010

DRAWING NUMBER: VL78-000063, VL78-000062B, Martin-Marietta 82600207000

DIMENSIONS: in.		<u>FULL SCALE</u>	<u>MODEL SCALE</u>
Leading edge at:	X _T	1040.667	10.407
	Y _T	94.169	0.942
	Z _T	540.934	5.409
Trailing edge at:	X _T	2062.920	20.629
	Y _T	70.0	0.700
	Z _T	573.934	5.739
Line diameter, In.		4.0	0.040

Centerline of line located radially at $\phi = 213^\circ 45'$.

TABLE III. MODEL DIMENSIONAL DATA (Continued)

MODEL COMPONENT:		ELECTRICAL LINE - PT ₂₅	
GENERAL DESCRIPTION:		Right-hand aft electrical conduit line on T ₃₅ with LH ₂ pressure sensor line and LO ₂ vent valve actuator line.	
MODEL SCALE:		0.010	
DRAWING NUMBER:		VL78-000063, VL78-000062B, Martin-Marietta 82600207000	
DIMENSIONS: in.		<u>FULL SCALE</u>	<u>MODEL SCALE</u>
Leading edge at:	X _T	1084.333	10.843
	Y _T	99.591	0.996
	Z _T	539.620	5.396
Trailing edge at:	X _T	2058.00	20.580
	Y _T	99.591	0.996
	Z _T	539.620	5.396
Line diameter		2.0 x 6.0	0.02x0.06
Centerline of line located radially at $\phi = 215.5^\circ$			

TABLE III. MODEL DIMENSIONAL DATA (Continued)

MODEL COMPONENT: LO_2 PRESSURE LINE - PT₂₆

GENERAL DESCRIPTION: LO_2 pressure line on the T₃₅

MODEL SCALE: 0.010

DRAWING NUMBER VL78-000063, VL78-000062B, Martin-Marietta 82600207000

DIMENSIONS: in.		<u>FULL SCALE</u>	<u>MODEL SCALE</u>
Leading edge at:	X _T	360.733	3.607
	Y _T	15.145	.1515
	Z _T	407.718	4.077
Trailing edge at:	X _T	2083.5	20.835
	Y _T	63.25	0.633
	Z _T	609.0	6.090
Line diameter		2.0	0.020

Centerline of line located radially at $\phi = 207^\circ$.

TABLE III. MODEL DIMENSIONAL DATA (Continued)

<u>Component</u>	<u>Definition</u>						
PT ₂₉	External Tank fwd. electrical conduit per model dwg. SS-A01667-6. Located at:						
	<table> <tr> <th><u>Model Scale</u></th><th><u>Full Scale</u></th></tr> <tr> <td>X_T = 3.607 → 8.600, In.</td><td>X_T = 360.73 → 860.00, In.</td></tr> <tr> <td>ϕ = Adjacent to PT₂₆</td><td>ϕ = Adjacent to PT₂₆</td></tr> </table>	<u>Model Scale</u>	<u>Full Scale</u>	X _T = 3.607 → 8.600, In.	X _T = 360.73 → 860.00, In.	ϕ = Adjacent to PT ₂₆	ϕ = Adjacent to PT ₂₆
<u>Model Scale</u>	<u>Full Scale</u>						
X _T = 3.607 → 8.600, In.	X _T = 360.73 → 860.00, In.						
ϕ = Adjacent to PT ₂₆	ϕ = Adjacent to PT ₂₆						
PT ₃₃	External Tank LH ₂ pressure line per model dwg. SS-A01668-9. Located at:						
	<table> <tr> <th><u>Model Scale</u></th><th><u>Full Scale</u></th></tr> <tr> <td>X_T = 10.600 → 20.580, In.</td><td>X_T = 1060.00 → 2058.00, In.</td></tr> <tr> <td>ϕ = 330° 0'</td><td>ϕ = 330° 0'</td></tr> </table>	<u>Model Scale</u>	<u>Full Scale</u>	X _T = 10.600 → 20.580, In.	X _T = 1060.00 → 2058.00, In.	ϕ = 330° 0'	ϕ = 330° 0'
<u>Model Scale</u>	<u>Full Scale</u>						
X _T = 10.600 → 20.580, In.	X _T = 1060.00 → 2058.00, In.						
ϕ = 330° 0'	ϕ = 330° 0'						
PT ₃₉	External Tank nose probe per model dwg. SS-A01668-5. Located at:						
	<table> <tr> <th><u>Model Scale</u></th><th><u>Full Scale</u></th></tr> <tr> <td>X_T = 3.225 → 3.413, In.</td><td>X_T = 322.5 → 341.3, In.</td></tr> <tr> <td>Max. Dia. = .069 in.</td><td>Max. Dia. = 6.90 in.</td></tr> </table>	<u>Model Scale</u>	<u>Full Scale</u>	X _T = 3.225 → 3.413, In.	X _T = 322.5 → 341.3, In.	Max. Dia. = .069 in.	Max. Dia. = 6.90 in.
<u>Model Scale</u>	<u>Full Scale</u>						
X _T = 3.225 → 3.413, In.	X _T = 322.5 → 341.3, In.						
Max. Dia. = .069 in.	Max. Dia. = 6.90 in.						

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TABLE III. MODEL DIMENSIONAL DATA (Continued)

MODEL COMPONENT: RUDDER - R₅

GENERAL DESCRIPTION: Configuration 140C orbiter rudder (identical to configuration 140A/B rudder)

MODEL SCALE: 0.010

DRAWING NUMBER: VL70-000146B, VL70-000095

DIMENSIONS:	<u>FULL SCALE</u>	<u>MODEL SCALE</u>
Area - Ft ²	100.15	0.010
Span (equivalent), In.	201.0	2.010
Inb'd equivalent chord, In.	91.585	0.916
Outb'd equivalent chord, In.	50.833	0.508
Ratio movable surface chord/total surface chord		
At inb'd equiv. chord	0.400	0.400
At outb'd equiv. chord	0.400	0.400
Sweep Back Angles, degrees		
Trailing edge	26.25	26.25
Hingeline	34.83	34.83
Area Moment (Product of Area and \bar{c}) Ft ³	610.92	0.0006
Mean Aerodynamic Chord, In.	73.2	0.732

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TABLE III. MODEL DIMENSIONAL DATA (Continued)

MODEL COMPONENT: BOOSTER SOLID ROCKET MOTOR- S₂₄GENERAL DESCRIPTION: Booster Solid Rocket - Modified Vehicle-5, per
ICD-2-00001, Rev. B

DRAWING NUMBER: SS-A01690, SS-A01667

SCALE: 0.010

DIMENSIONS:	<u>FULL SCALE</u>	<u>MODEL SCALE</u>
Length (Includes Nozzle) - in.	1789.6	17.896
Max. Width (Tank Dia.) - in.	150.0	1.500
Max. Depth (aft Shroud) - in.	208.0	2.08
Fineness Ratio	11.931	11.931
Area - Ft ²		
Max. Cross-Sectional	236.0	.02360
Planform		
Wetted		
Base		
WP of BSRM Centerline (Z _T) - in.	400.00	4.000
FS of BSRM Nose (X _T) - in.	200.00	2.000

TABLE III. MODEL DIMENSIONAL DATA (Continued)

MODEL COMPONENT: EXTERNAL TANK - T₃₅

GENERAL DESCRIPTION: Spike nose configuration, updated Vehicle 5
(Dimensions are to tank structural OML, TPS included.)

MODEL SCALE: 0.010

DRAWING NUMBER: VC78-000002A, ICD-2-00001, Rev. B, VC72-000002E

DIMENSIONS:	<u>FULL SCALE</u>	<u>MODEL SCALE</u>
Length, In.	1852.500	18.525
Max Width, In.	336.000	3.360
Max Depth, In.	336.000	3.360
Fineness Ratio	5.513	5.513
Area - Ft ²		
Max. Cross-Sectional	615.752	.06158
Planform	--	--
Wetted	--	--
Base	604.806	.06048

TABLE III. MODEL DIMENSIONAL DATA (Continued)

MODEL COMPONENT: VERTICAL - V₈

GENERAL DESCRIPTION: Configuration 140A/B orbiter vertical tail

MODEL SCALE: 0.010 MODEL DRAWING: SS-400148, Release 6

DRAWING NUMBER: VL70-000146A

DIMENSIONS:	<u>FULL SCALE</u>	<u>MODEL SCALE</u>
TOTAL DATA		
Area (Theo) - Ft ²		
Planform	413.253	0.041
Span (Theo) - In.	315.720	3.157
Aspect Ratio	1.675	1.675
Rate of Taper	0.507	0.507
Taper Ratio	0.404	0.404
Sweep-Back Angles, Degrees		
Leading Edge	45.00	45.00
Trailing Edge	26.2	26.2
0.25 Element Line	41.130	41.130
Chords:		
Root (Theo) WP	263.500	2.685
Tip (Theo) WP	108.470	1.085
MAC	199.808	1.998
Fus. Sta. of .25 MAC	1463.50	14.635
W.P. of .25 MAC	635.522	6.355
B.L. of .25 MAC	0.0	0.0
Airfoil Section		
Leading Wedge Angle - Deg.	10.0	10.0
Trailing Wedge Angle - Deg.	14.920	14.920
Leading Edge Radius	2.00	0.020
Void Area	13.17	0.001
Blanketed Area	0.0	0.0

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TABLE III. MODEL DIMENSIONAL DATA (Concluded)

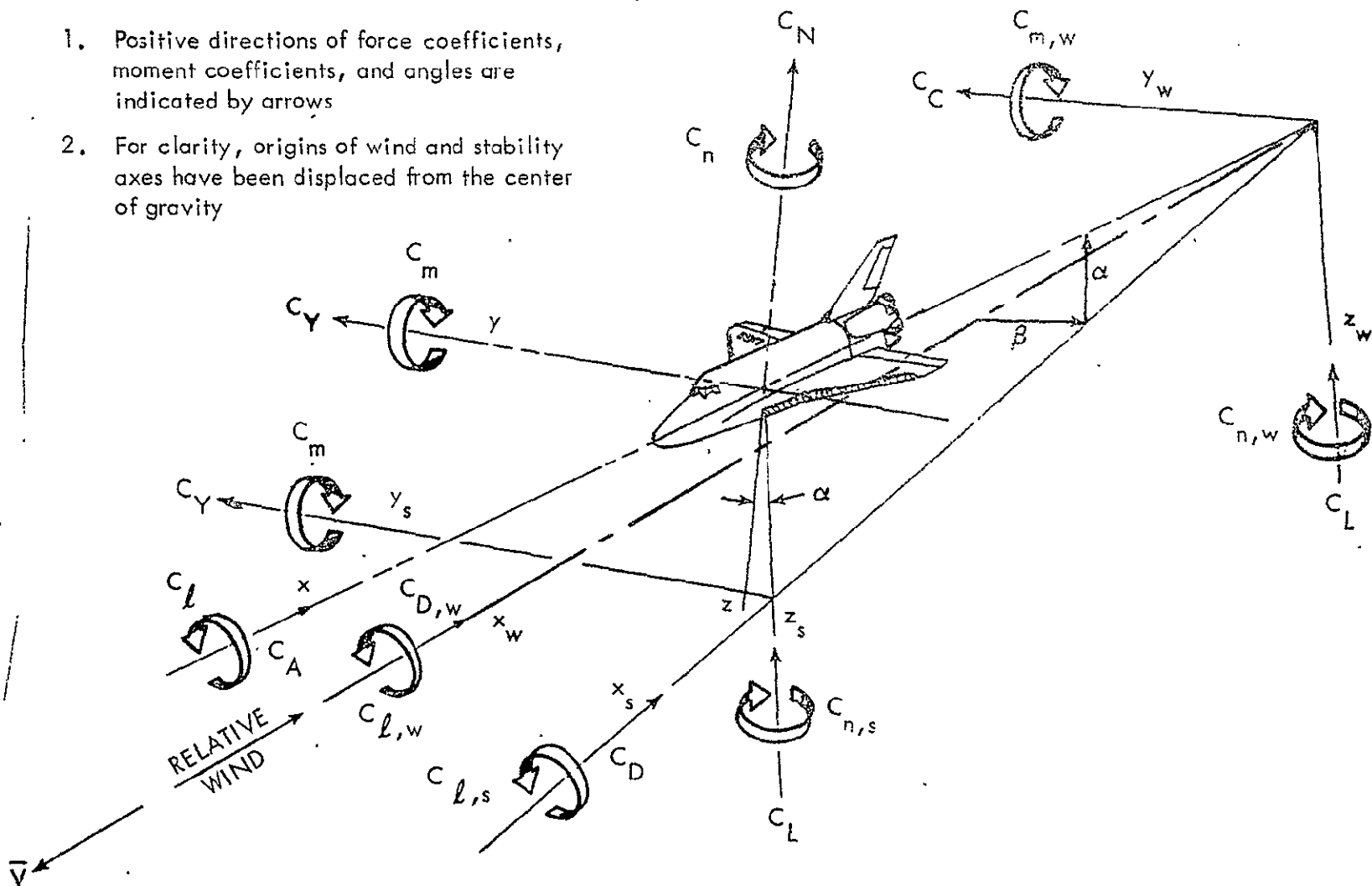
MODEL COMPONENT: WING-W₁₂₇
 GENERAL DESCRIPTION: Configuration 140C, orbiter wing, MCR 200-R4, similar to 140A/B wing W₁₁₆ but with refinements: improved wing-boot-midbody fairing ($X_0 = 940$ to $X_0 = 1040$); elevon split line relocated from $Y_0 = 281$ to $Y_0 = 312.5$. MODEL SCALE: 0.010 DWG. NO: VL70-000140C, -000200B
 DIMENSIONS:

	<u>FULL SCALE</u>	<u>MODEL SCALE</u>
<u>TOTAL DATA</u>		
Area (Theo.) Ft ²		
Planform	2690.00	0.2690
Span (Theo) In.	936.68	9.3668
Aspect Ratio	2.265	2.265
Rate of Taper	1.177	1.177
Taper Ratio	0.200	0.200
Dihedral Angle, degrees	3.500	3.500
Incidence Angle, degrees	0.500	0.500
Aerodynamic Twist, degrees	3.000	3.000
Sweep Back Angles, degrees		
Leading Edge	45.000	45.000
Trailing Edge	- 10.056	- 10.056
0.25 Element Line	35.209	35.209
Chords:		
Root (Theo) B.P.O.O.	689.24	6.892
Tip (Theo) B.P.	137.85	1.379
MAC	474.81	4.748
Fus. Sta. of .25 MAC	1136.83	11.368
W.P. of .25 MAC	290.58	2.906
B.L. of .25 MAC	182.13	1.821
<u>EXPOSED DATA</u>		
Area (Theo) Ft ²	1751.50	0.1752
Span (Theo) In. BP108	720.68	7.207
Aspect Ratio	2.059	2.059
Taper Ratio	0.245	0.245
Chords		
Root BP108	562.09	5.621
Tip 1.00 b/2	137.85	1.379
MAC	392.83	3.928
Fus. Sta. of .25 MAC	1185.98	11.860
W.P. of .25 MAC	294.30	2.943
B.L. of .25 MAC	251.77	2.518
Airfoil Section (Rockwell Mod NASA)XXXX-64		
Root b/2	0.113	0.113
Tip b/2	0.12	0.12
Data for (1) of (2) Sides		
Leading Edge Cuff		
Planform Area Ft ²	113.18	0.01132
Leading Edge Intersects Fus M.L. @ Sta	500.00	5.000
Leading Edge Intersects Wing @ Sta	1024.00	10.240

Notes:

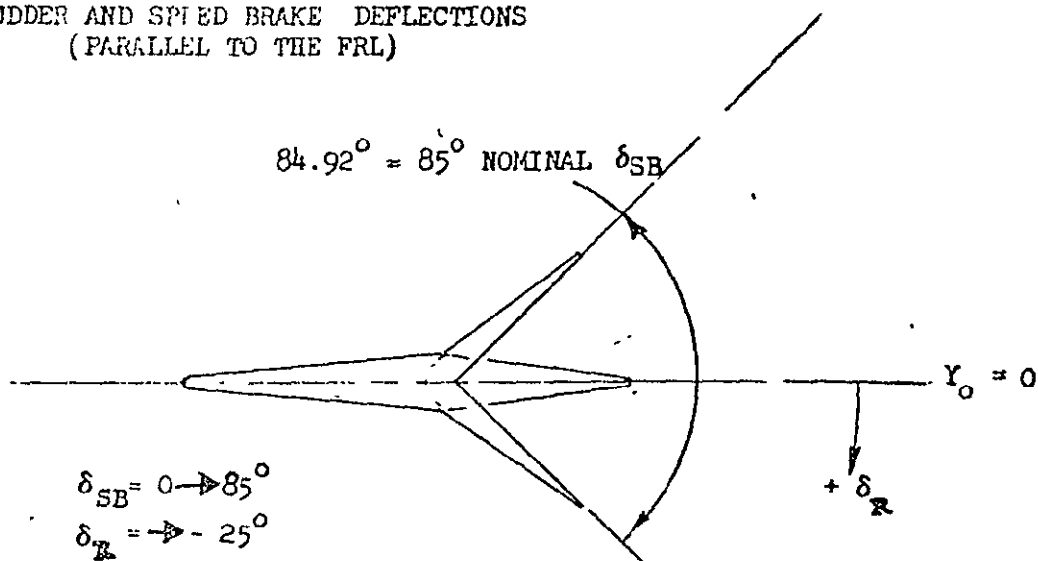
1. Positive directions of force coefficients, moment coefficients, and angles are indicated by arrows
2. For clarity, origins of wind and stability axes have been displaced from the center of gravity

58

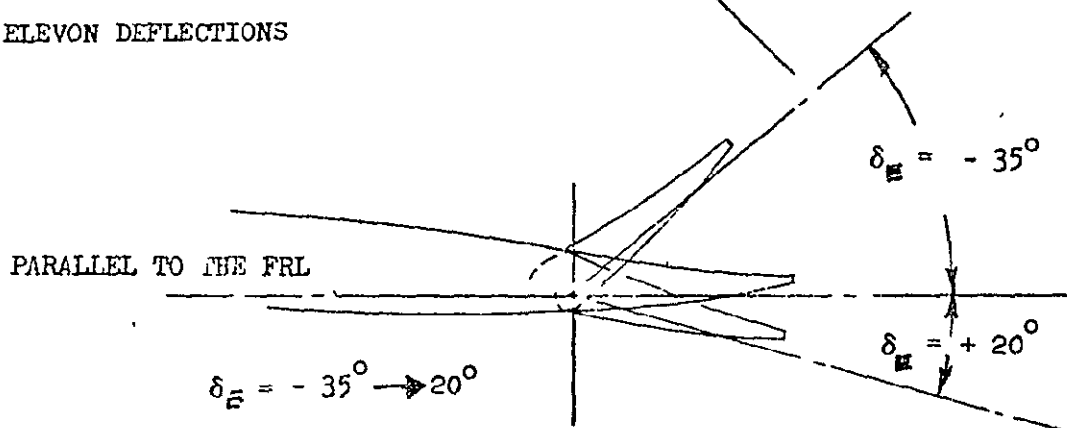


a. General
Figure 1. Axis systems.

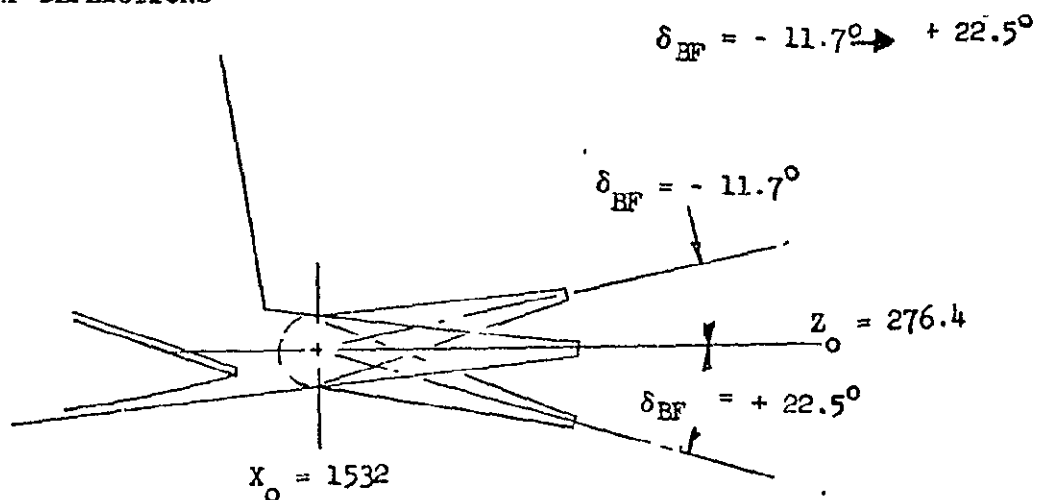
RUDDER AND SPEED BRAKE DEFLECTIONS
(PARALLEL TO THE FRL)



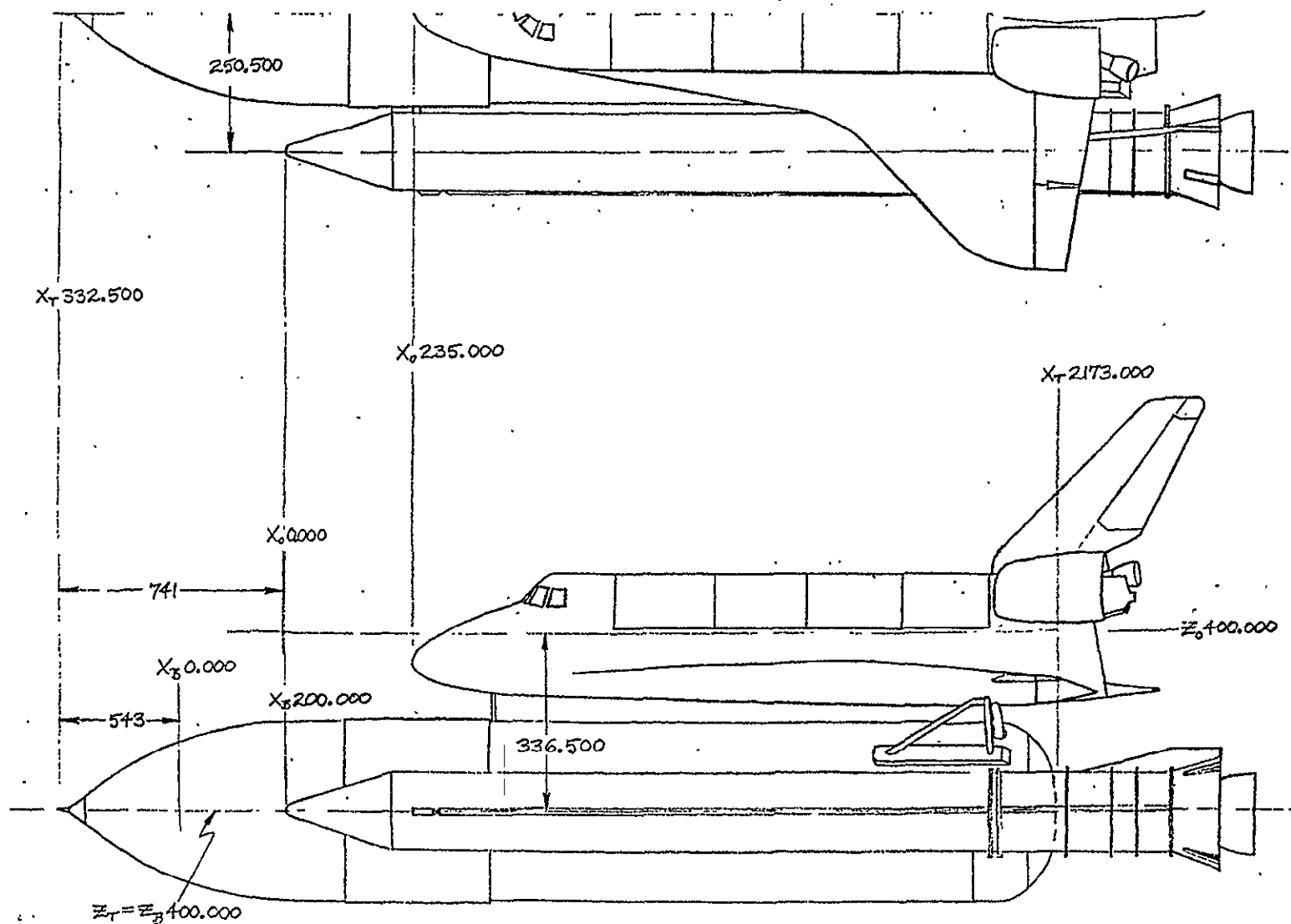
ELEVON DEFLECTIONS



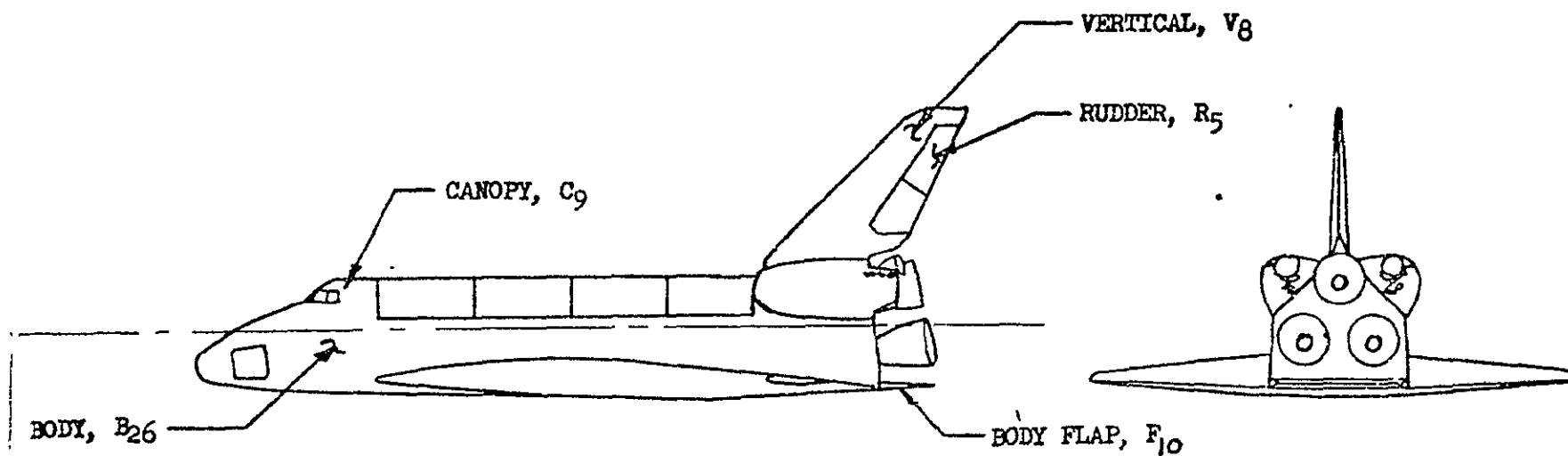
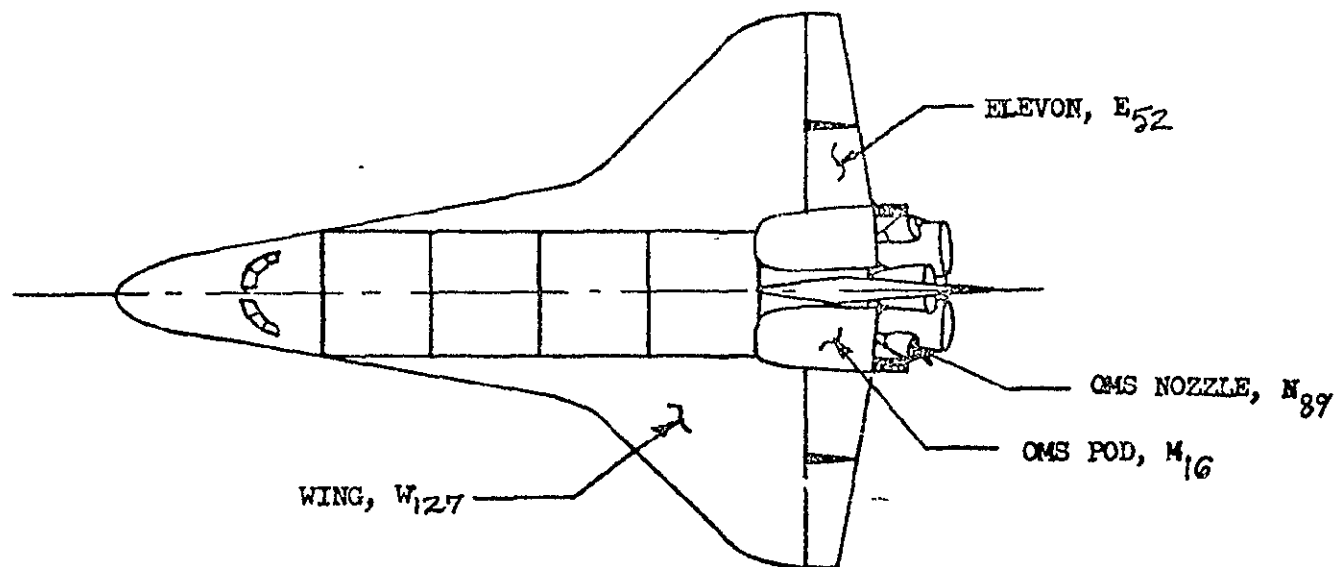
BODY FLAP DEFLECTIONS



b. Control Surfaces
Figure 1. Continued.

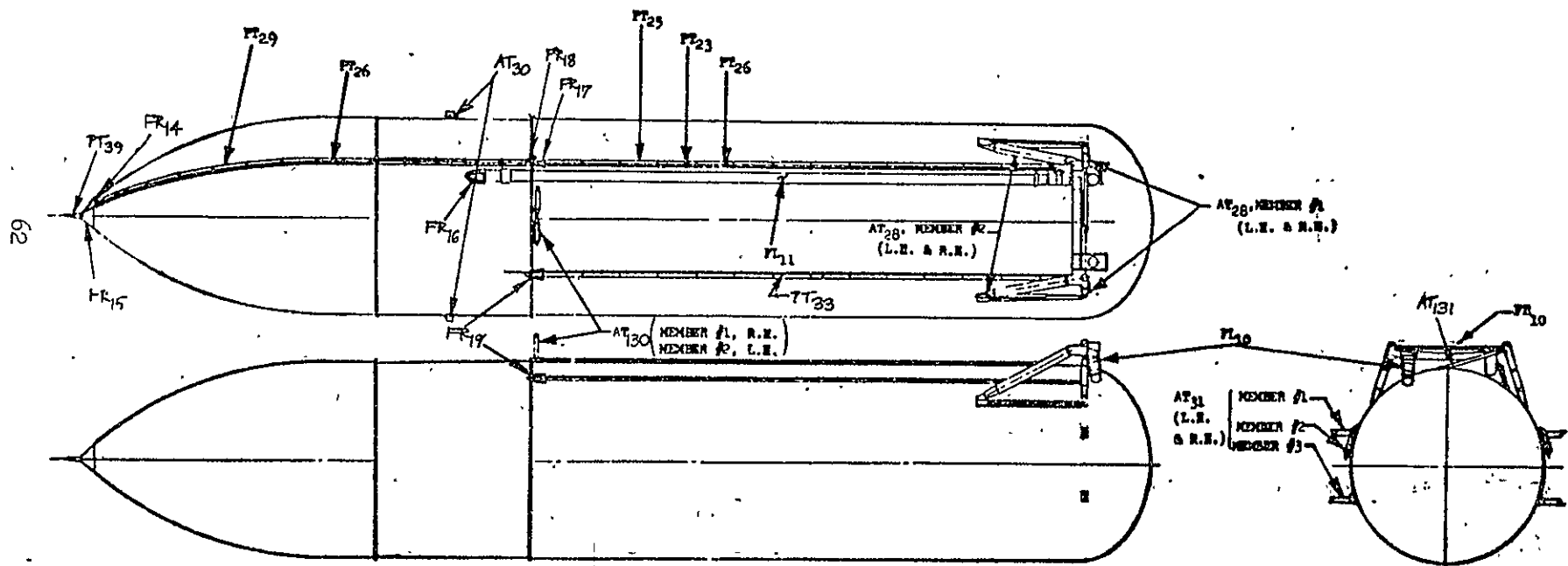


a. Updated Vehicle-5 Launch Configuration
Figure 2. Model sketches.

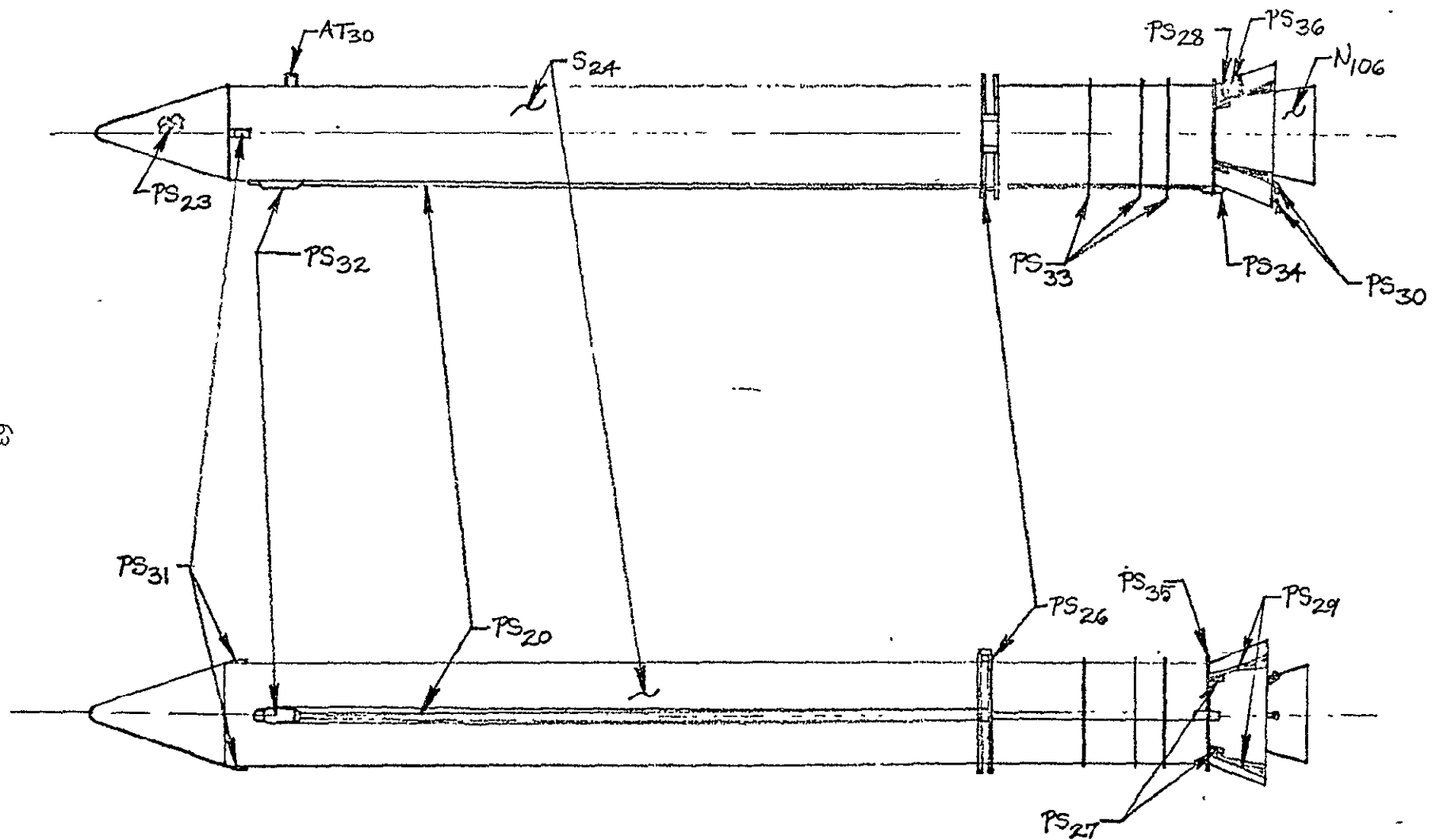


b. Orbiter
Figure 2. Continued.

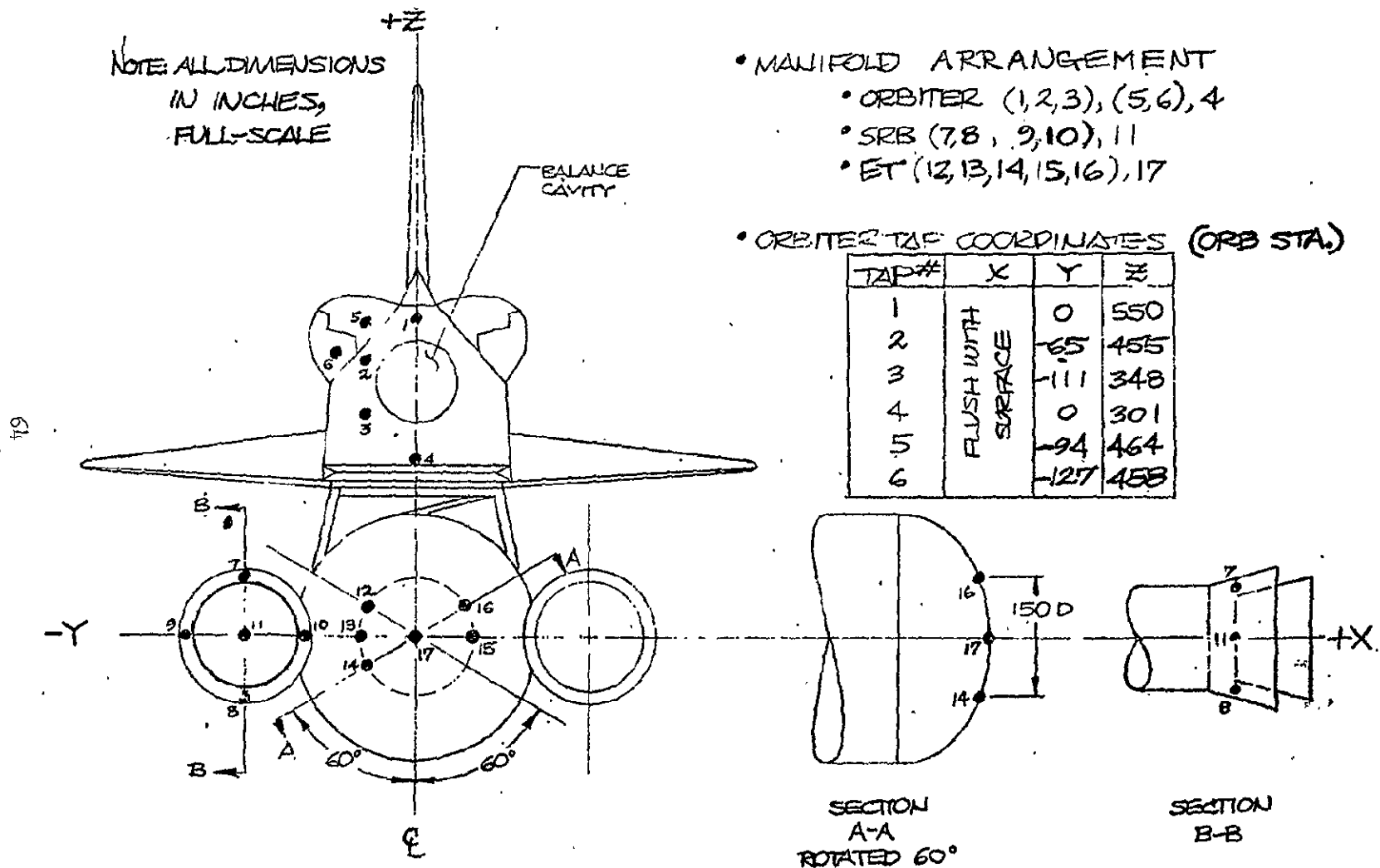
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c. External Tank
Figure 2. Continued.



d. Solid Rocket Booster
Figure 2. Continued.



e. Base Pressure Tap Locations
Figure 2. Concluded.

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65

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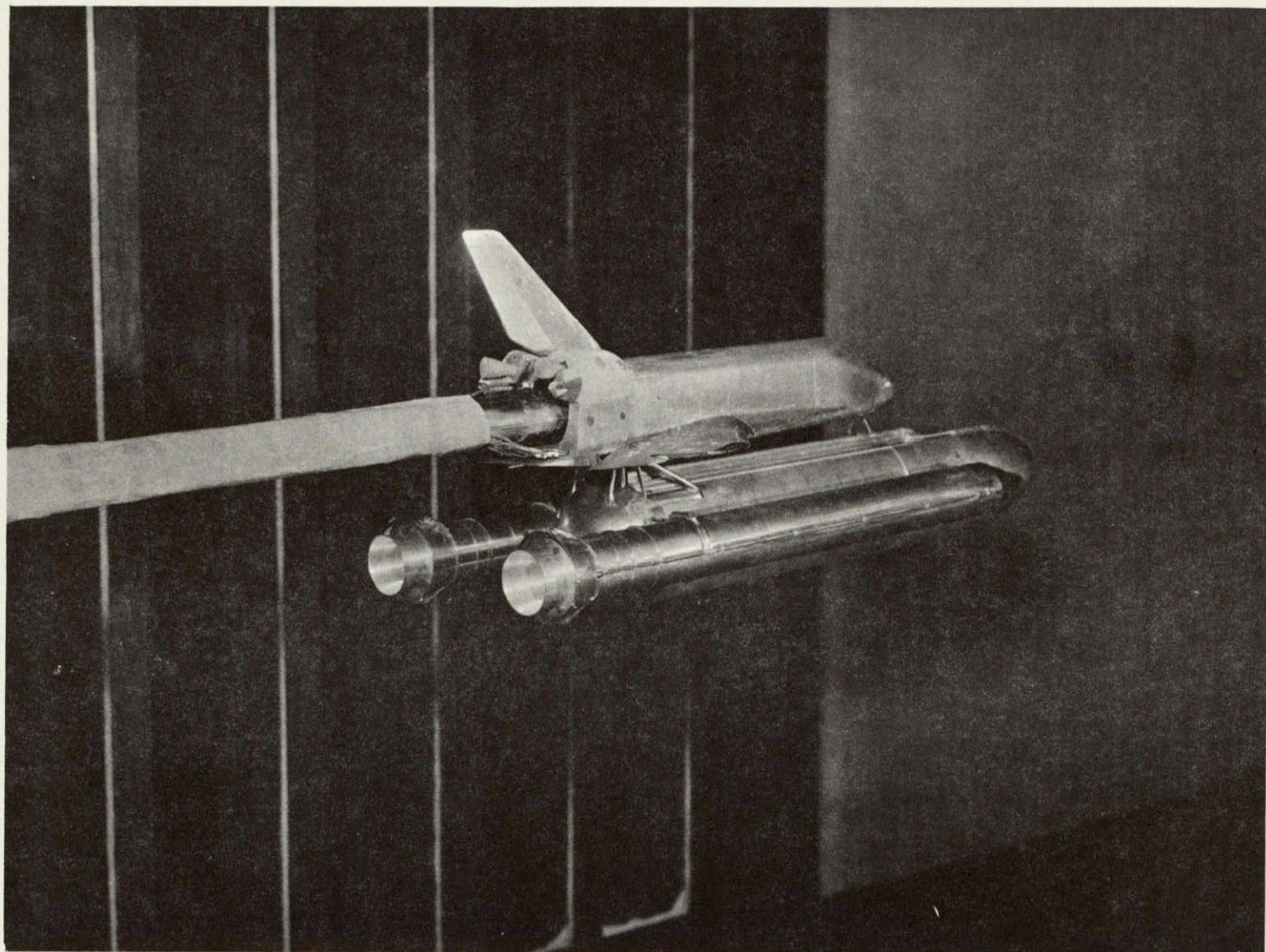


Figure 3. Model installation photograph.

DATA SET	SYMBOL	CONFIGURATION	BETA	ELV-LI	ELV-LO	ELV-RI	ELV-RO	REFERENCE INFORMATION		
MJKB17	○	LARC UPWT 1152(1A94A) OTSAT130	-6.000	10.000	-5.000	10.000	-5.000	SREF	2690.0000	50 FT.
MJKB18	□	LARC UPWT 1152(1A94A) OTSAT130	-4.000	10.000	-5.000	10.000	-5.000	LREF	1290.3000	INCHES
MJKB19	◇	LARC UPWT 1152(1A94A) OTSAT130	.000	10.000	-5.000	10.000	-5.000	BREF	1290.3000	INCHES
MJKB20	△	LARC UPWT 1152(1A94A) OTSAT130	4.000	10.000	-5.000	10.000	-5.000	XMRP	976.0000	IN. XT
MJKB21	▽	LARC UPWT 1152(1A94A) OTSAT130	6.000	10.000	-5.000	10.000	-5.000	YMRP	.0000	IN. YT
								ZMRP	400.0000	IN. ZT
								SCALE	0100	

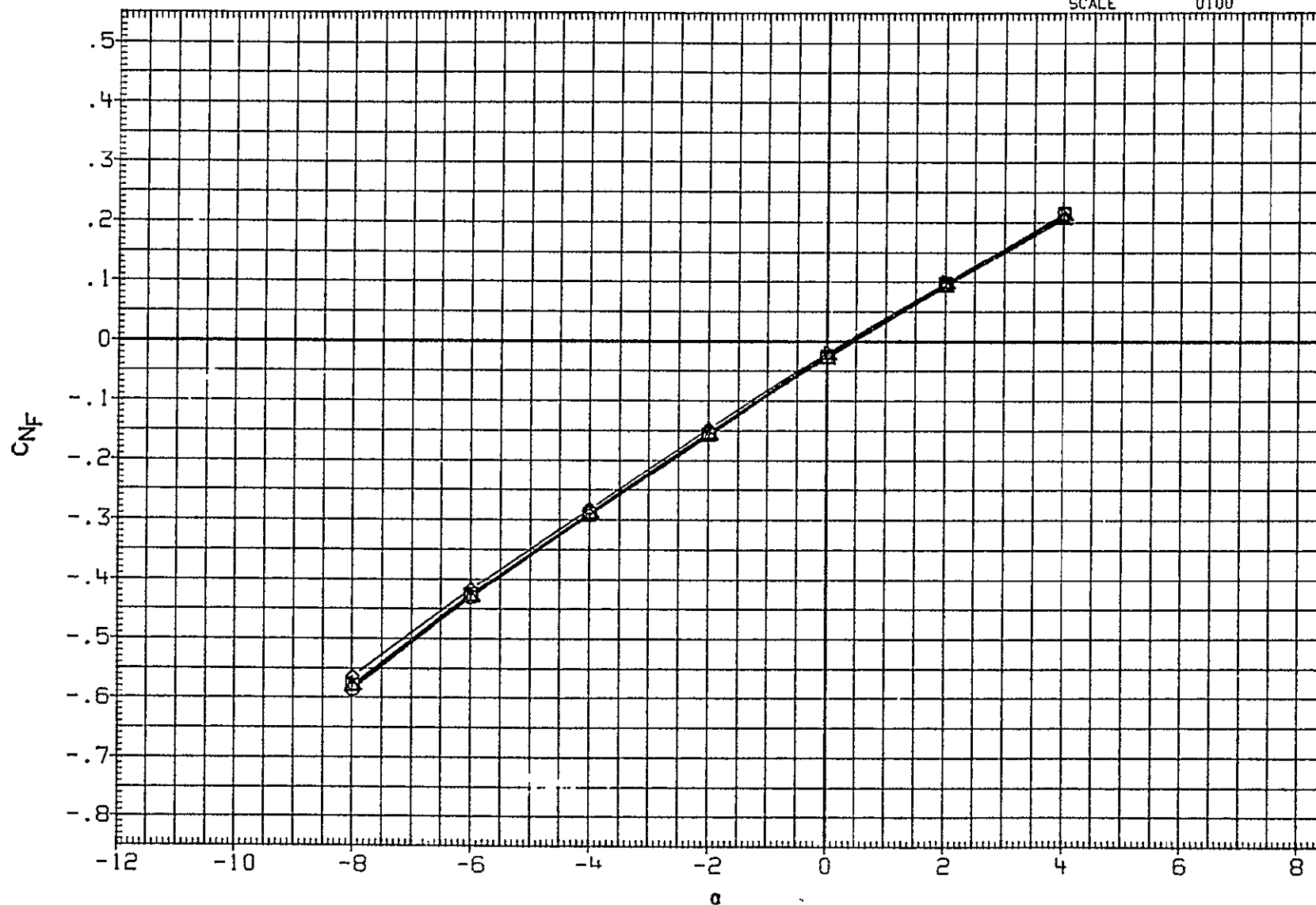


FIG. 4 LONGITUDINAL AERODYNAMIC CHARACTERISTICS

(A) MACH = 1.55

DATA SET	SYMBOL	CONFIGURATION	BETA	ELV-L1	ELV-LO	ELV-R1	ELV-R0	REFERENCE INFORMATION		
MJKB17	○	LARC UPWT 1152(1A94A) OTSAT130	-6.000	10.000	-5.000	10.000	-5.000	SREF	2690.0000	SQ.FT.
MJKB18	□	LARC UPWT 1152(1A94A) OTSAT130	-4.000	10.000	-5.000	10.000	-5.000	LREF	1290.3000	INCHES
MJKB19	◇	LARC UPWT 1152(1A94A) OTSAT130	.000	10.000	-5.000	10.000	-5.000	BREF	1290.3000	INCHES
MJKB20	△	LARC UPWT 1152(1A94A) OTSAT130	4.000	10.000	-5.000	10.000	-5.000	XMRP	976.0000	IN. XT
MJKB21	▽	LARC UPWT 1152(1A94A) OTSAT130	6.000	10.000	-5.000	10.000	-5.000	YMRP	.0000	IN. YT
								ZMRP	400.0000	IN. ZT
								SCALE	.0100	

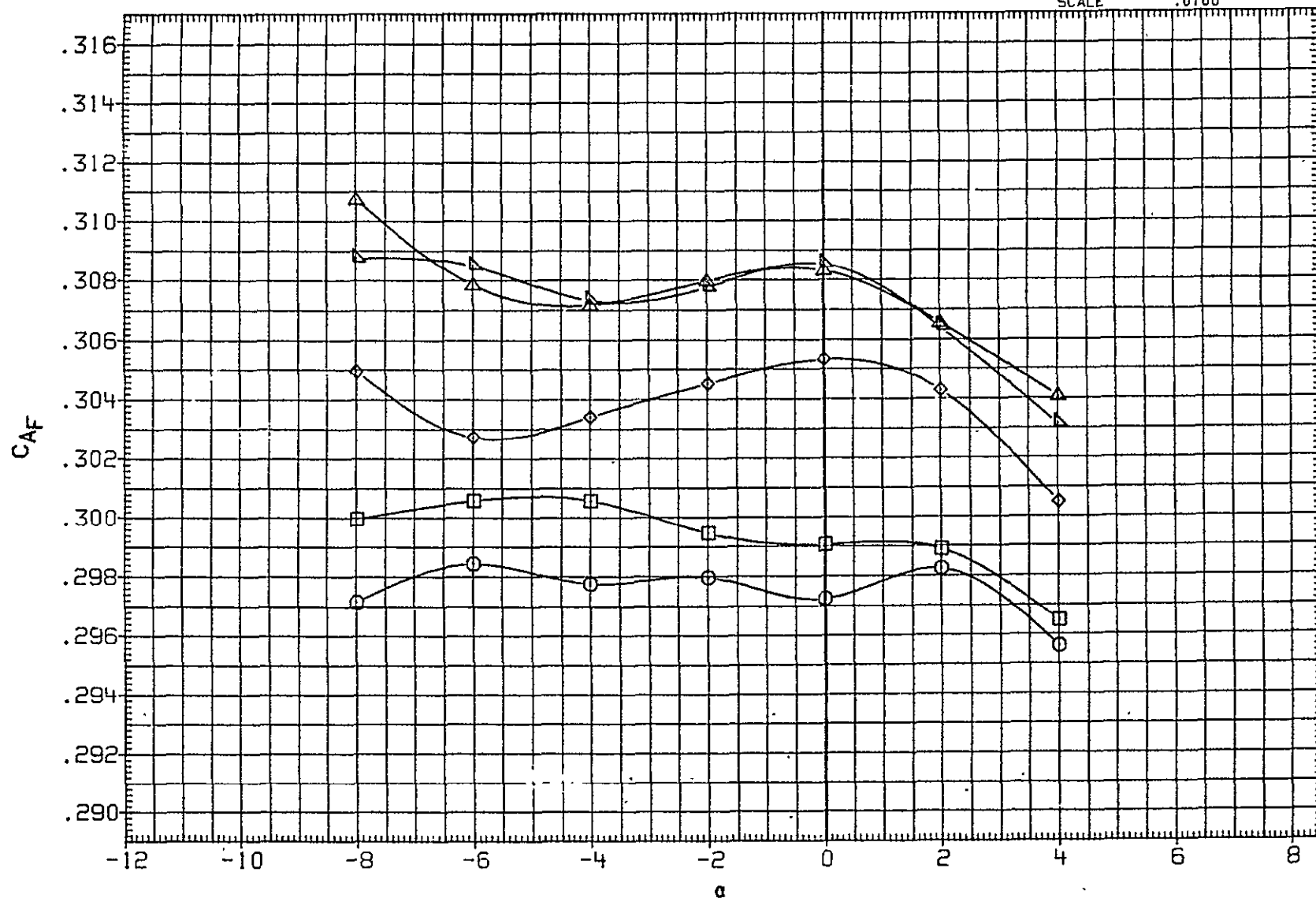


FIG. 4 LONGITUDINAL AERODYNAMIC CHARACTERISTICS

(A) MACH = 1.55

DATA SET	SYMBOL	CONFIGURATION	BETA	ELV-L1	ELV-LO	ELV-RI	ELV-RO	REFERENCE INFORMATION		
MJKB17	○	LARC UPWT 1152(1A94A) OTSAT130	6 000	10.000	-5.000	10.000	-5.000	SREF	2690.0000	SQ.FT.
MJKB18	□	LARC UPWT 1152(1A94A) OTSAT130	-4 000	10.000	-5.000	10.000	-5.000	LREF	1290 3000	INCHES
MJKB19	◇	LARC UPWT 1152(1A94A) OTSAT130	000	10.000	-5.000	10.000	-5.000	BREF	1290 3000	INCHES
MJKB20	△	LARC UPWT 1152(1A94A) OTSAT130	4 000	10.000	-5.000	10.000	-5.000	XMRP	976.0000	IN XT
MJKB21	▽	LARC UPWT 1152(1A94A) OTSAT130	6 000	10.000	-5.000	10.000	-5.000	YMRP	0000	IN YT
								ZMRP	400.0000	IN. ZT
								SCALE	0100	

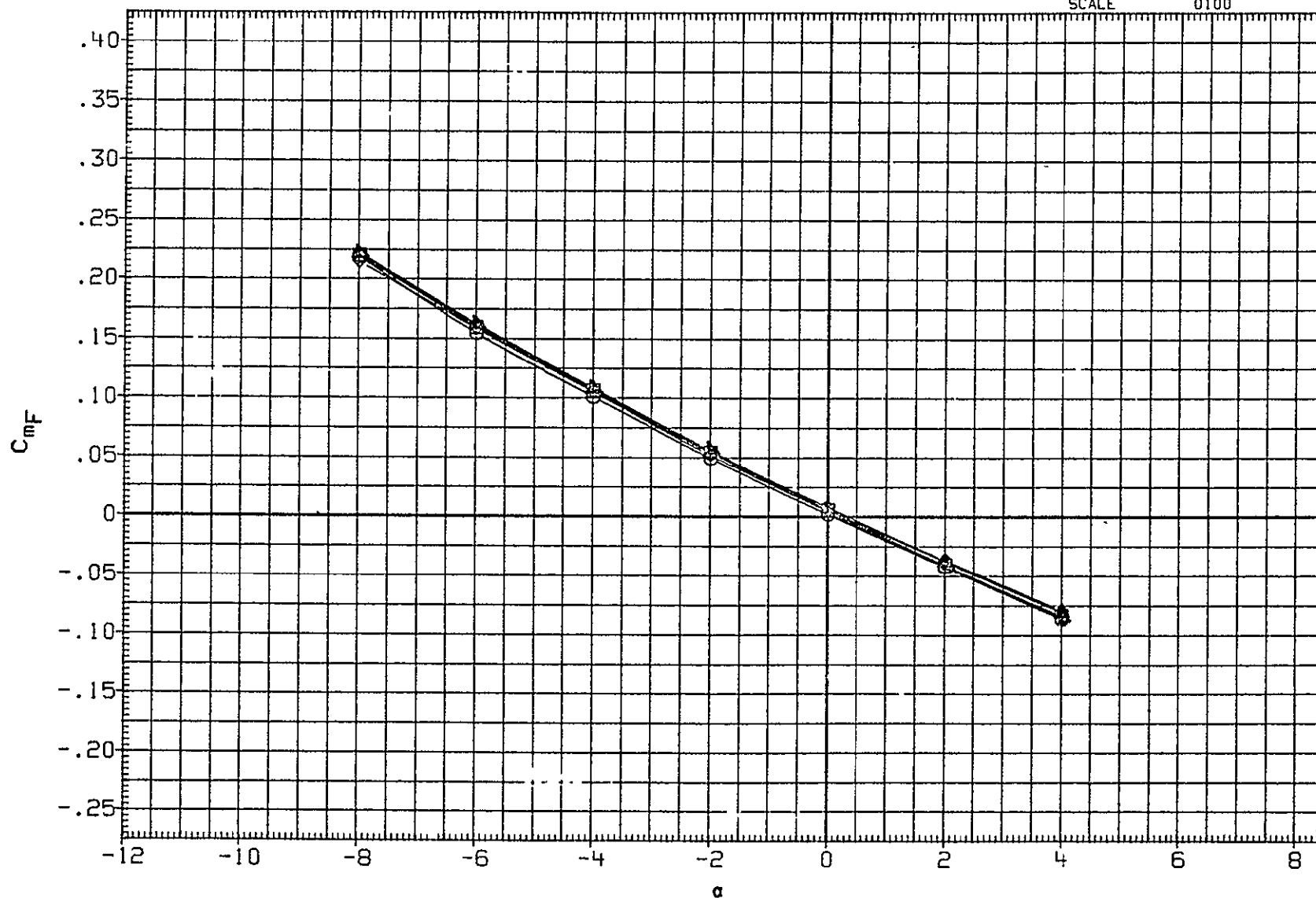


FIG. 4 LONGITUDINAL AERODYNAMIC CHARACTERISTICS

(A) MACH = 1.55

DATA SET	SYMBOL	CONFIGURATION			BETA	ELV-L1	ELV-LO	ELV-R1	ELV-RO	REFERENCE INFORMATION			
MJKB17	○	LARC	UPWT	1152(1A94A)	OTSAT130	-6.000	10.000	-5.000	10.000	-5.000	SREF	2690.0000	50. FT.
MJKB18	□	LARC	UPWT	1152(1A94A)	OTSAT130	-4.000	10.000	-5.000	10.000	-5.000	LREF	1290.3000	INCHES
MJKB19	◇	LARC	UPWT	1152(1A94A)	OTSAT130	.000	10.000	-5.000	10.000	-5.000	BREF	1290.3000	INCHES
MJKB20	△	LARC	UPWT	1152(1A94A)	OTSAT130	4.000	10.000	-5.000	10.000	-5.000	XMRP	976.0000	IN. XT
MJKB21	▽	LARC	UPWT	1152(1A94A)	OTSAT130	6.000	10.000	-5.000	10.000	-5.000	YMRP	.0000	IN. YT
											ZMRP	400.0000	IN. ZT
											SCALE	.0100	

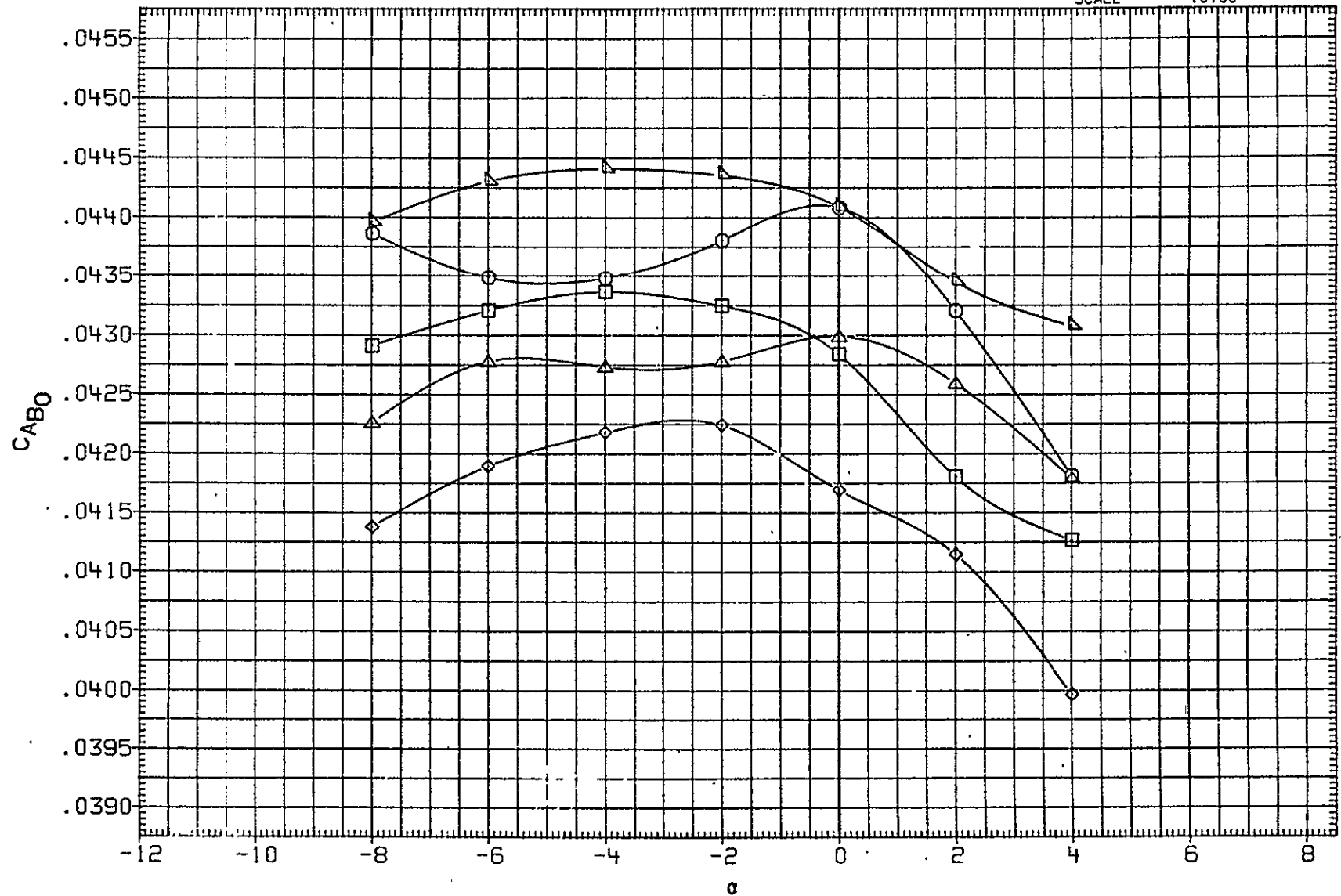


FIG. 4 LONGITUDINAL AERODYNAMIC CHARACTERISTICS

(A) MACH = 1.55

DATA SET	SYMBOL	CONFIGURATION	BETA	ELV-LI	ELV-LO	ELV-RI	ELV-RO	REFERENCE INFORMATION		
MJKB17	○	LARC UPWT 1152(1A94A) OTSAT130	-6.000	10.000	-5.000	10.000	-5.000	SREF	2690.0000	50. FT.
MJKB18	□	LARC UPWT 1152(1A94A) OTSAT130	-4.000	10.000	-5.000	10.000	-5.000	LREF	1290.3000	INCHES
MJKB19	◇	LARC UPWT 1152(1A94A) OTSAT130	.000	10.000	-5.000	10.000	-5.000	BREF	1290.3000	INCHES
MJKB20	△	LARC UPWT 1152(1A94A) OTSAT130	4.000	10.000	-5.000	10.000	-5.000	XMRP	976.0000	IN. XT
MJKB21	▽	LARC UPWT 1152(1A94A) OTSAT130	6.000	10.000	-5.000	10.000	-5.000	YMRP	0000	IN. YT
								ZMRP	400.0000	IN. ZT
								SCALE	0100	

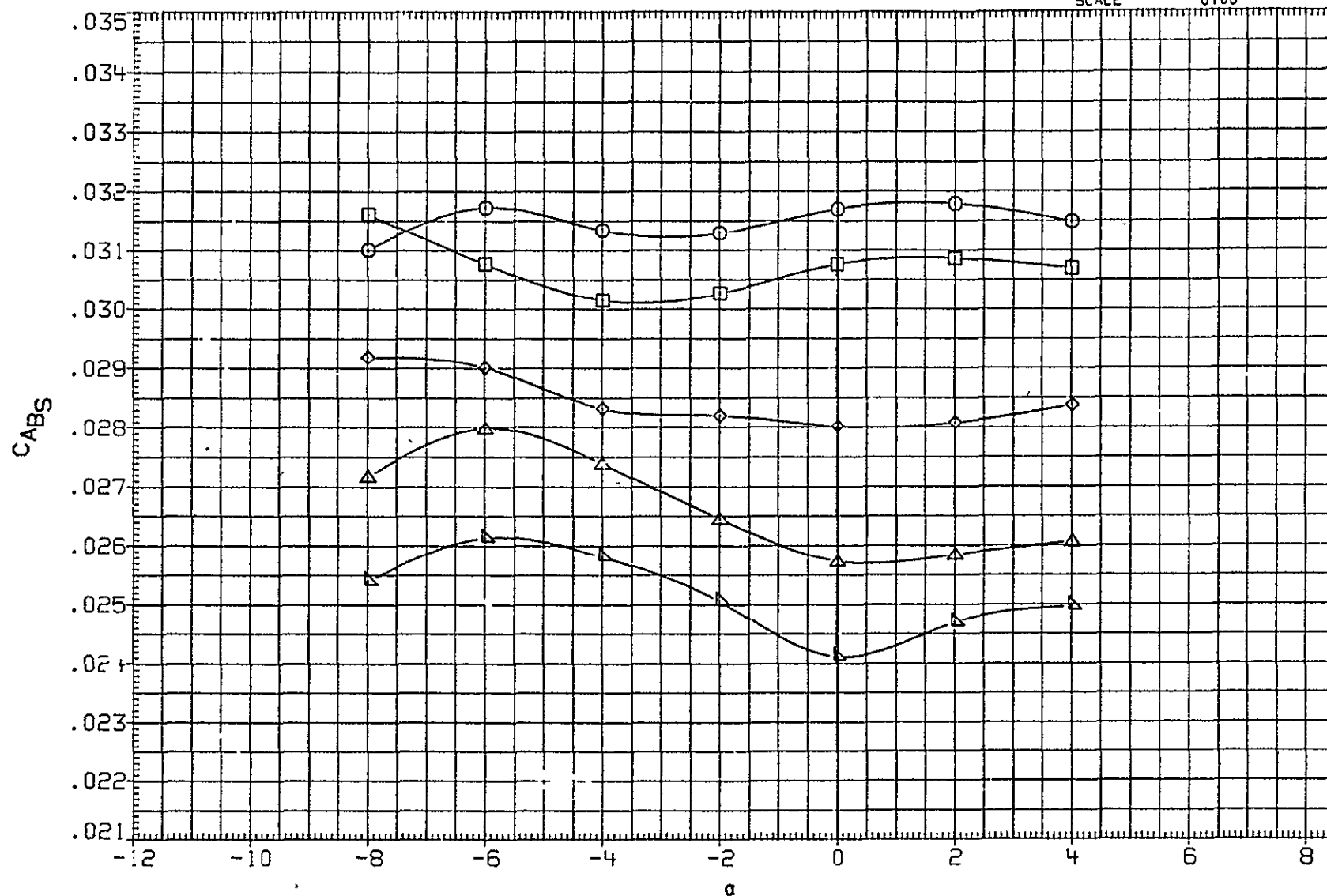


FIG. 4 LONGITUDINAL AERODYNAMIC CHARACTERISTICS

(A) MACH = 1.55

DATA SET	SYMBOL	CONFIGURATION	BETA	ELV-LI	ELV-LO	ELV-RI	ELV-RO	REFERENCE INFORMATION		
MJKB17	○	LARC UPWT 1152(1A94A) OTSAT130	-6.000	10.000	-5.000	10.000	-5.000	SREF	2690.0000	SQ.FT.
MJKB18	□	LARC UPWT 1152(1A94A) OTSAT130	-4.000	10.000	-5.000	10.000	-5.000	LREF	1290.3000	INCHES
MJKB19	◇	LARC UPWT 1152(1A94A) OTSAT130	.000	10.000	-5.000	10.000	-5.000	BREF	1290.3000	INCHES
MJKB20	△	LARC UPWT 1152(1A94A) OTSAT130	4.000	10.000	-5.000	10.000	-5.000	XMRP	976.0000	IN. XT
MJKB21	▽	LARC UPWT 1152(1A94A) OTSAT130	6.000	10.000	-5.000	10.000	-5.000	YMRP	.0000	IN. YT
								ZMRP	400.0000	IN. ZT
								SCALE	.0100	

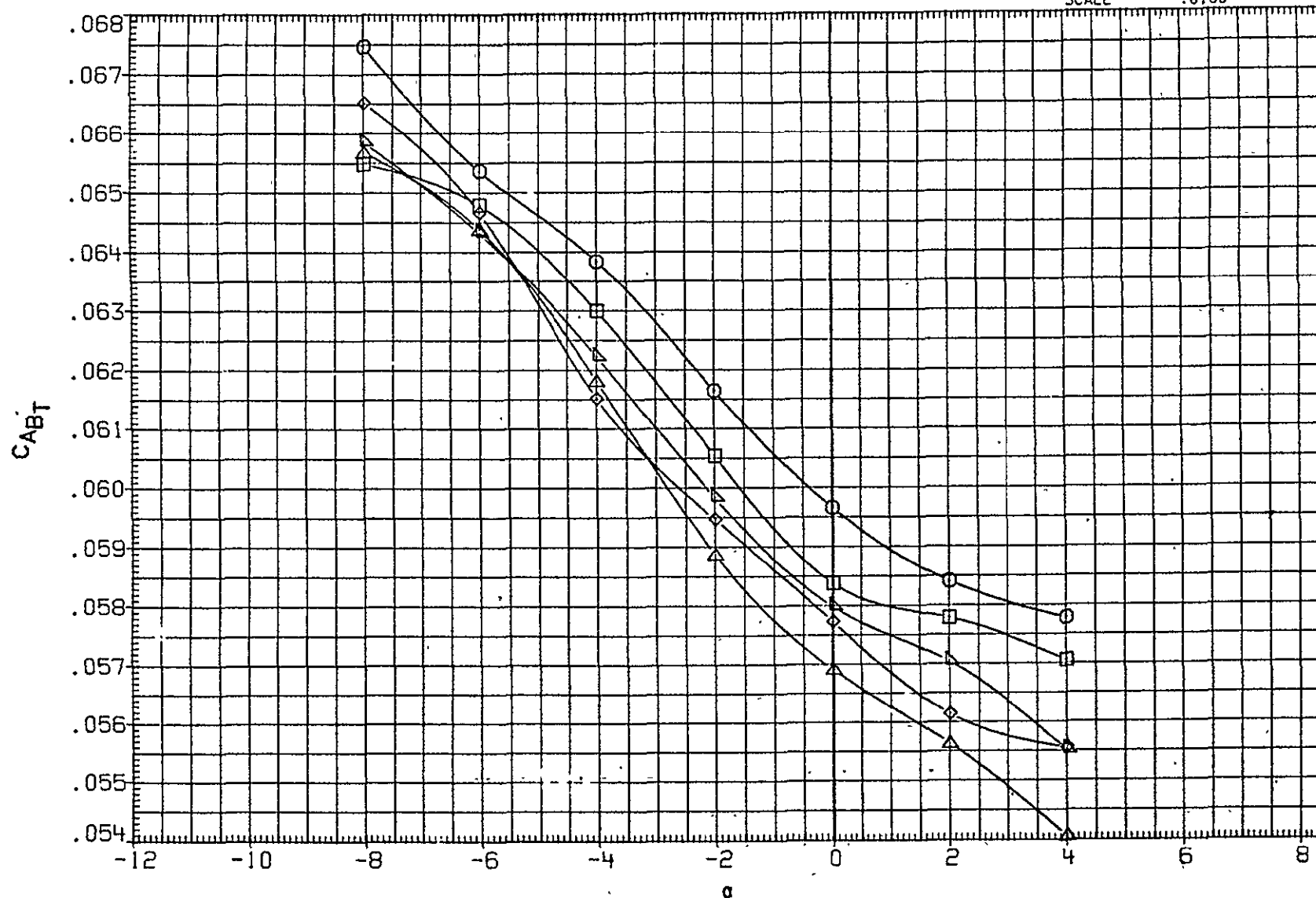


FIG. 4 LONGITUDINAL AERODYNAMIC CHARACTERISTICS

(A) MACH = 1.55

DATA SET	SYMBOL	CONFIGURATION	BETA	ELV-LI	ELV-LO	ELV-RI	ELV-RO	REFERENCE INFORMATION		
MJKB22	○	LARC UPWT 1152(1A94A) OTSAT130	-6.000	10.000	2.000	10.000	2.000	SREF	2690.0000	SQ.FT.
MJKB23	□	LARC UPWT 1152(1A94A) OTSAT130	-4.000	10.000	2.000	10.000	2.000	LREF	1290.3000	INCHES
MJKB24	◇	LARC UPWT 1152(1A94A) OTSAT130	0.000	10.000	2.000	10.000	2.000	BREF	976.0000	IN. XT
MJKB25	△	LARC UPWT 1152(1A94A) OTSAT130	4.000	10.000	2.000	10.000	2.000	YMRP	0000	IN. YT
MJKB26	▽	LARC UPWT 1152(1A94A) OTSAT130	6.000	10.000	2.000	10.000	2.000	ZMRP	400.0000	IN. ZT
									SCALE	.0100

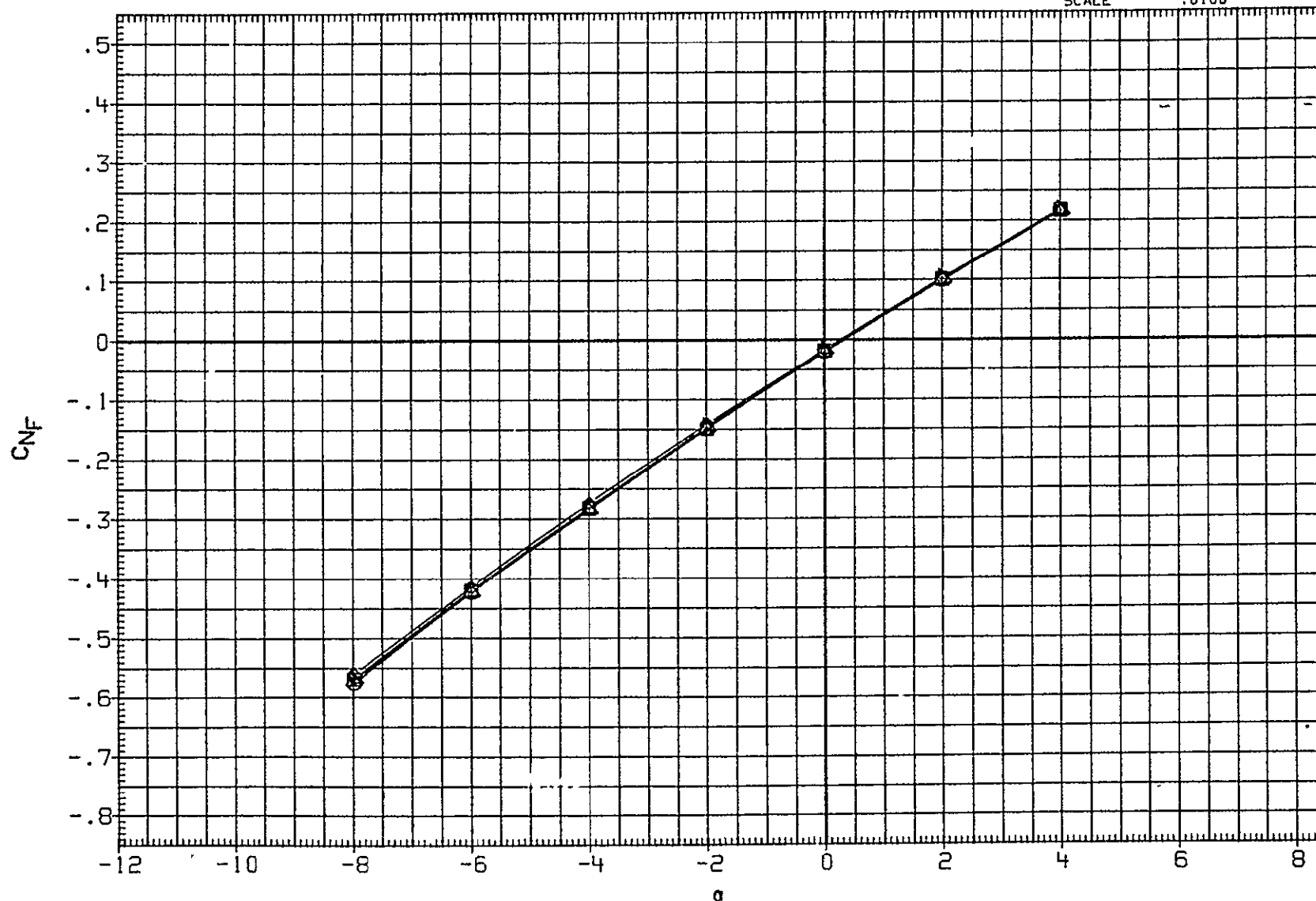


FIG. 4 LONGITUDINAL AERODYNAMIC CHARACTERISTICS

DATA SET	SYMBOL	CONFIGURATION	BETA	ELV-LI	ELV-LO	ELV-RI	ELV-RO	REFERENCE INFORMATION		
MJKB22	○	LARC UPWT 1152(1A94A) OTSAT130	-6.000	10.000	2.000	10.000	2.000	SREF	2690.0000	SQ.FT.
MJKB23	□	LARC UPWT 1152(1A94A) OTSAT130	-4.000	10.000	2.000	10.000	2.000	LREF	1290.3000	INCHES
MJKB24	◇	LARC UPWT 1152(1A94A) OTSAT130	.000	10.000	2.000	10.000	2.000	BREF	1290.3000	INCHES
MJKB25	△	LARC UPWT 1152(1A94A) OTSAT130	4.000	10.000	2.000	10.000	2.000	XMRP	976.0000	IN. XT
MJKB26	▽	LARC UPWT 1152(1A94A) OTSAT130	6.000	10.000	2.000	10.000	2.000	YMRP	.0000	IN. YT
								ZMRP	400.0000	IN. ZT
								SCALE	.0100	

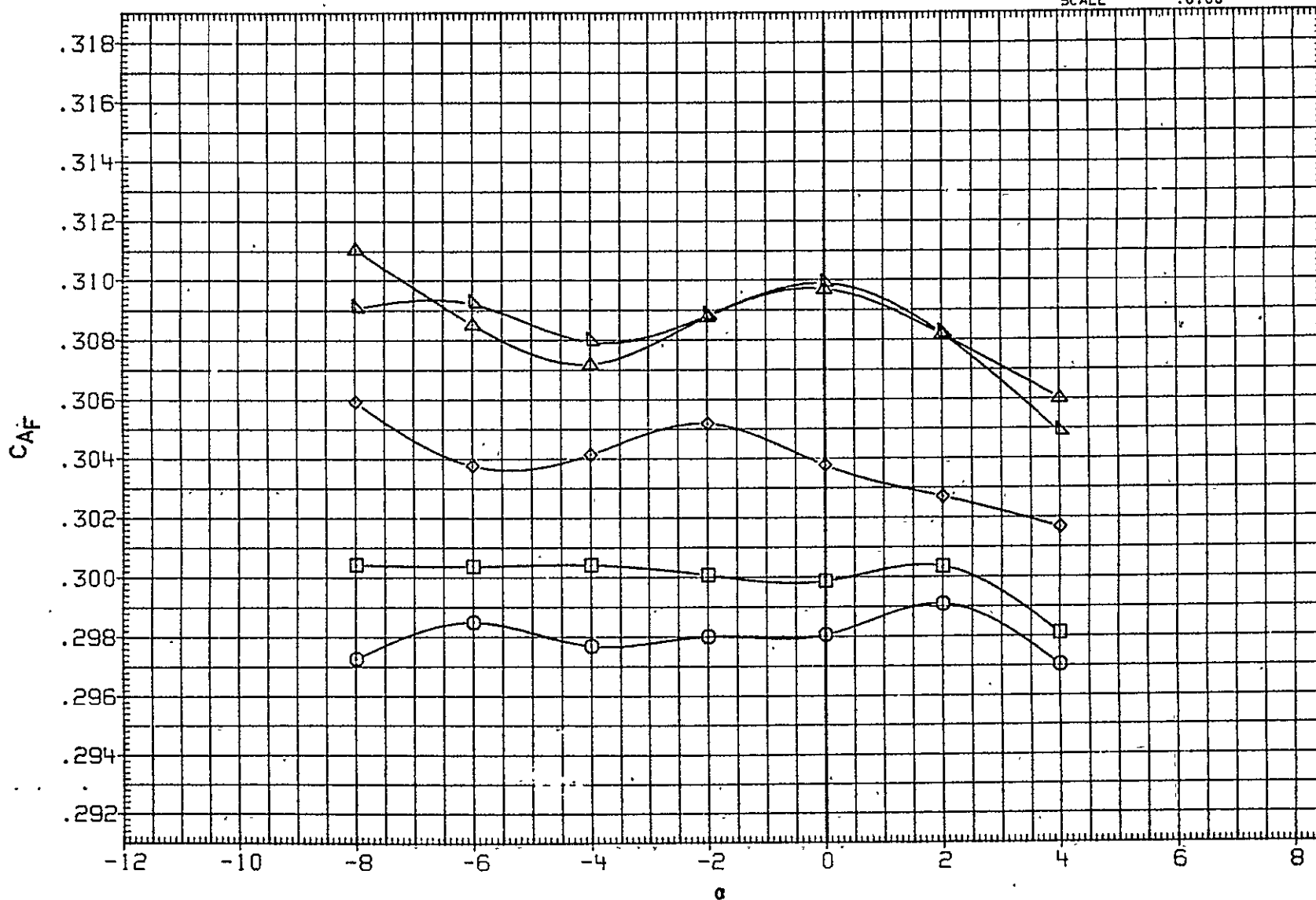


FIG. 4 LONGITUDINAL AERODYNAMIC CHARACTERISTICS

(A) MACH = 1.55

DATA SET	SYMBOL	CONFIGURATION	BETA	ELV-LI	ELV-LO	ELV-RI	ELV-RO	REFERENCE INFORMATION		
MJKB22	○	LARC UPWT 1152(1A94A) OTSAT130	-6.000	10.000	2.000	10.000	2.000	SREF	2690.0000	SQ. FT.
MJKB23	□	LARC UPWT 1152(1A94A) OTSAT130	-4.000	10.000	2.000	10.000	2.000	LREF	1290.3000	INCHES
MJKB24	◇	LARC UPWT 1152(1A94A) OTSAT130	.000	10.000	2.000	10.000	2.000	BREF	1290.3000	INCHES
MJKB25	△	LARC UPWT 1152(1A94A) OTSAT130	4.000	10.000	2.000	10.000	2.000	XMRP	976.0000	IN. XT
MJKB26	▽	LARC UPWT 1152(1A94A) OTSAT130	6.000	10.000	2.000	10.000	2.000	YMRP	.0000	IN. YT
								ZMRP	400.0000	IN. ZT
								SCALE	0100	

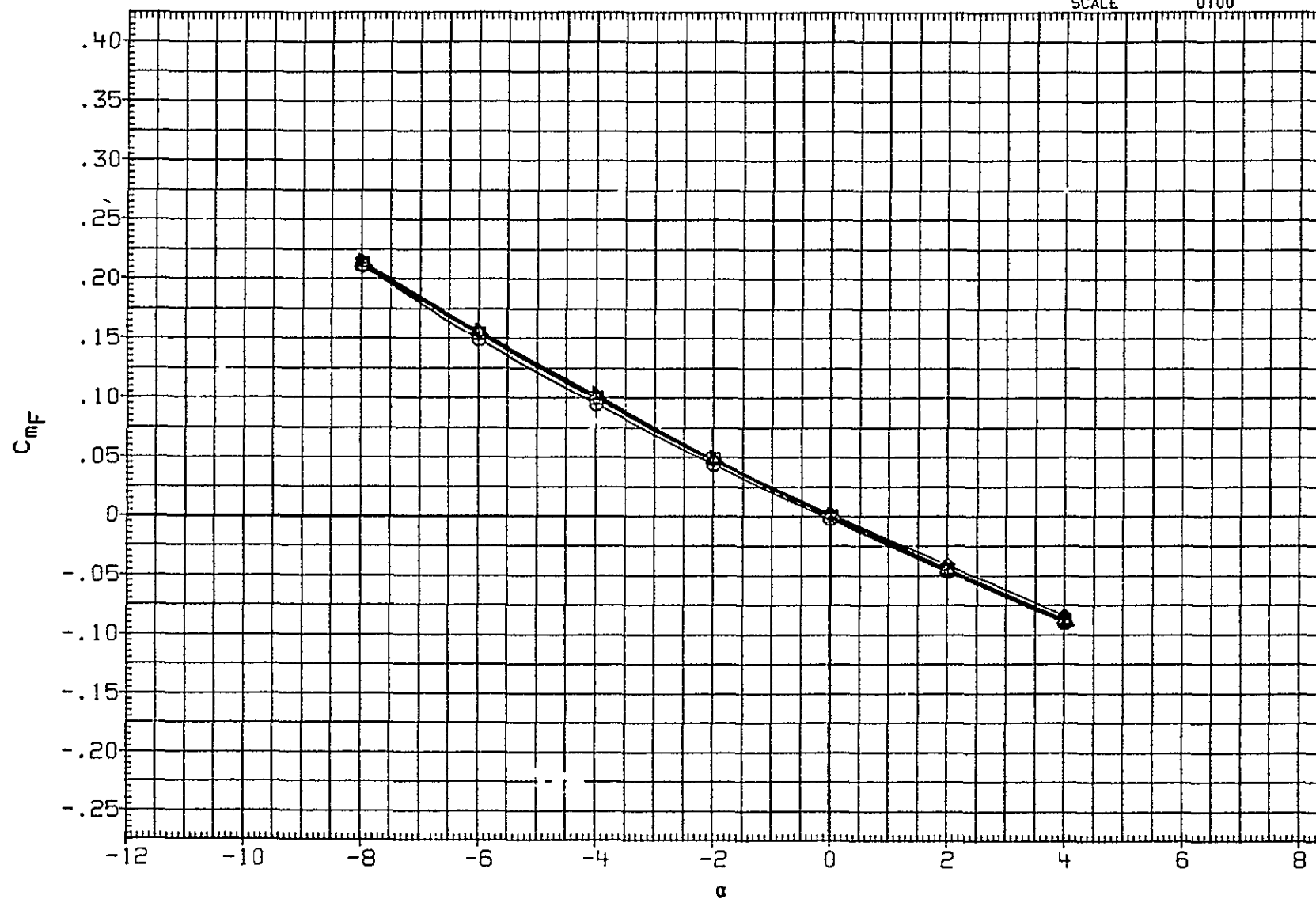


FIG. 4 LONGITUDINAL AERODYNAMIC CHARACTERISTICS

(A) MACH = 1.55

DATA SET SYMBOL	CONFIGURATION
MJKB22	LARC UPWT 1152(1A94A) OTSAT130
MJKB23	LARC UPWT 1152(1A94A) OTSAT130
MJKB24	LARC UPWT 1152(1A94A) OTSAT130
MJKB25	LARC UPWT 1152(1A94A) OTSAT130
MJKB26	LARC UPWT 1152(1A94A) OTSAT130

BETA	ELV-L1	ELV-LQ	ELV-R1	ELV-RQ	REFERENCE INFORMATION		
-6.000	10.000	2.000	10.000	2.000	SREF	2690.0000	50. FT.
-4.000	10.000	2.000	10.000	2.000	LREF	1290.3000	INCHES
.000	10.000	2.000	10.000	2.000	BREF	1290.3000	INCHES
4.000	10.000	2.000	10.000	2.000	XMRP	976.0000	IN. XT
6.000	10.000	2.000	10.000	2.000	YMRP	.0000	IN. YT
					ZMRP	400.0000	IN. YT
					SCALE	.0100	

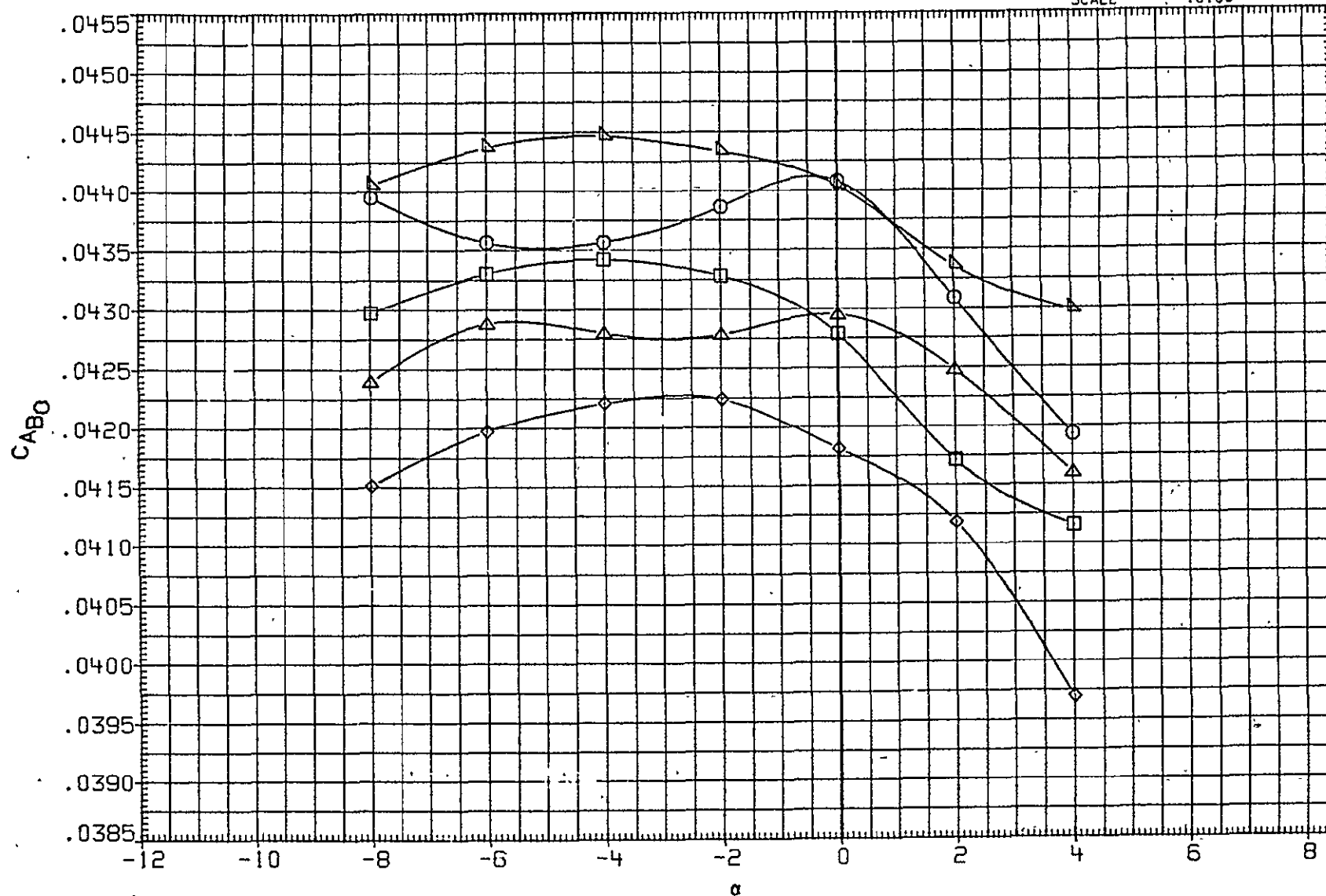


FIG. 4 LONGITUDINAL AERODYNAMIC CHARACTERISTICS

(A) MACH = 1.55

DATA SET	SYMBOL	CONFIGURATION	BETA	ELV-LI	ELV-LO	ELV-RI	ELV-RO	REFERENCE INFORMATION		
MJKB22	○	LARC UPWT 1152(1A94A) OTSAT130	-6.000	10.000	2.000	10.000	2.000	SREF	2690.0000	SQ.FT.
MJKB23	□	LARC UPWT 1152(1A94A) OTSAT130	-4.000	10.000	2.000	10.000	2.000	LREF	1290.3000	INCHES
MJKB24	◇	LARC UPWT 1152(1A94A) OTSAT130	0.000	10.000	2.000	10.000	2.000	BREF	1290.3000	INCHES
MJKB25	△	LARC UPWT 1152(1A94A) OTSAT130	4.000	10.000	2.000	10.000	2.000	XMRP	976.0000	IN. XT
MJKB26	▽	LARC UPWT 1152(1A94A) OTSAT130	6.000	10.000	2.000	10.000	2.000	YMRP	0000	IN. YT
								ZMRP	400.0000	IN. ZT
								SCALE	0100	

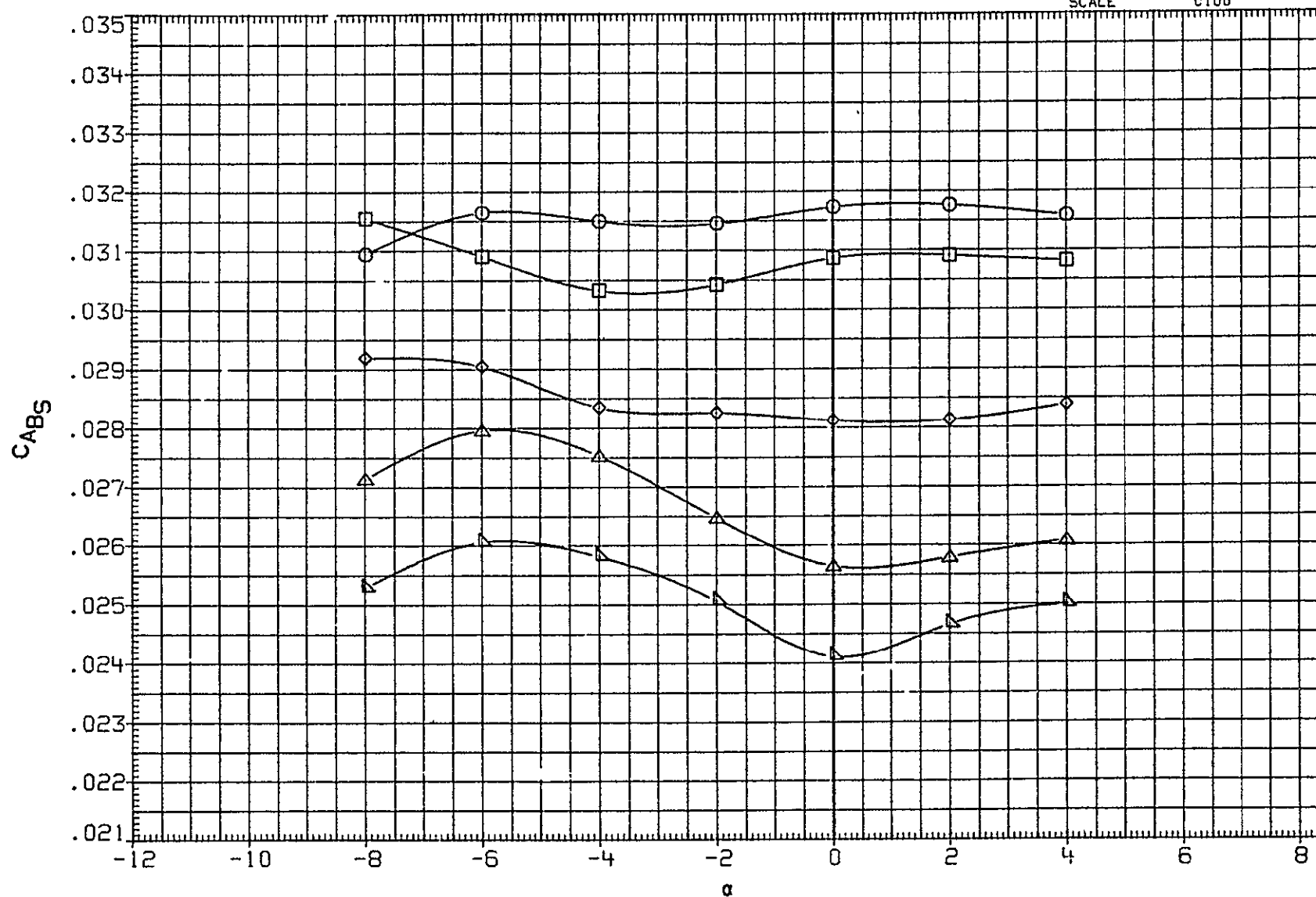


FIG. 4 LONGITUDINAL AERODYNAMIC CHARACTERISTICS

DATA SET	SYMBOL	CONFIGURATION	BETA	ELV-LI	ELV-LO	ELV-RI	ELV-RO	REFERENCE INFORMATION		
MJKB22	○	LARC UPWT 1152(1A94A) OTSAT130	-6.000	10.000	2.000	10.000	2.000	SREF	2690.0000	SQ.FT.
MJKB23	□	LARC UPWT 1152(1A94A) OTSAT130	-4.000	10.000	2.000	10.000	2.000	LREF	1290.3000	INCHES
MJKB24	◇	LARC UPWT 1152(1A94A) OTSAT130	.000	10.000	2.000	10.000	2.000	BREF	1290.3000	INCHES
MJKB25	△	LARC UPWT 1152(1A94A) OTSAT130	4.000	10.000	2.000	10.000	2.000	XMRP	976.0000	IN. XT
MJKB25	▽	LARC UPWT 1152(1A94A) OTSAT130	6.000	10.000	2.000	10.000	2.000	YMRP	.0000	IN. YT
								ZMRP	400.0000	IN. ZT
								SCALE	.0100	

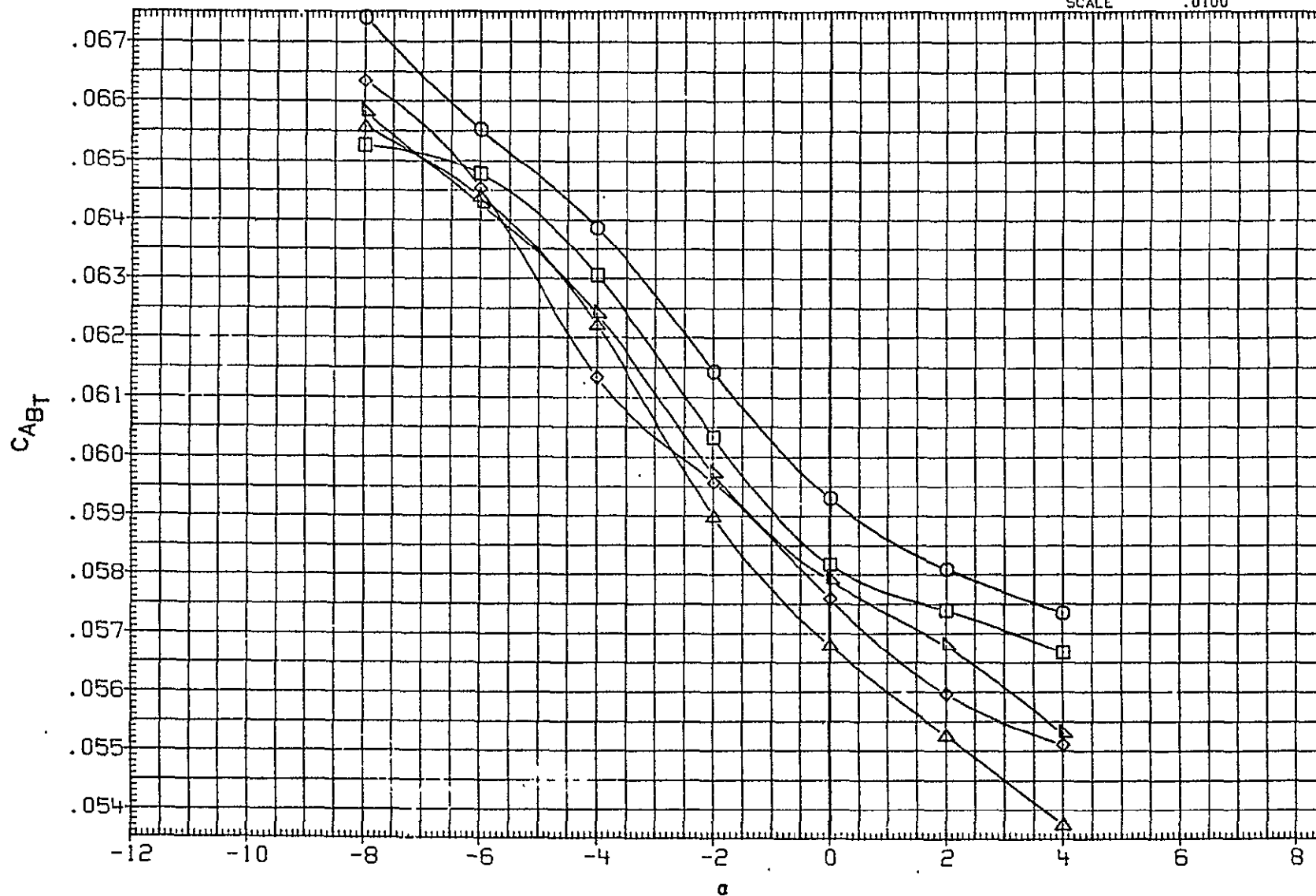


FIG. 4 LONGITUDINAL AERODYNAMIC CHARACTERISTICS

(A) MACH = 1.55

DATA SET	SYMBOL	CONFIGURATION	BETA	ELV-LI	ELV-LO	ELV-RI	ELV-RO	REFERENCE INFORMATION		
MJKB27	○	LARC UPWT 1152(1A94A) OTSAT130	-6.000	10 000	-10.000	10.000	-10.000	SREF	2690 0000	SQ.FT
MJKB28	□	LARC UPWT 1152(1A94A) OTSAT130	-4 000	10 000	-10 000	10.000	-10.000	LREF	1290.3000	INCHES
MJKB29	◇	LARC UPWT 1152(1A94A) OTSAT130	000	10 000	-10 000	10.000	-10.000	BREF	1290 3000	INCHES
MJKB30	△	LARC UPWT 1152(1A94A) OTSAT130	4.000	10 000	-10 000	10 000	-10.000	XMRP	976.0000	IN. XT
MJKB31	▽	LARC UPWT 1152(1A94A) OTSAT130	6 000	10 000	-10.000	10 000	-10.000	YMRP	0000	IN. YT
								ZMRP	400.0000	IN. ZT
								SCALE	0100	

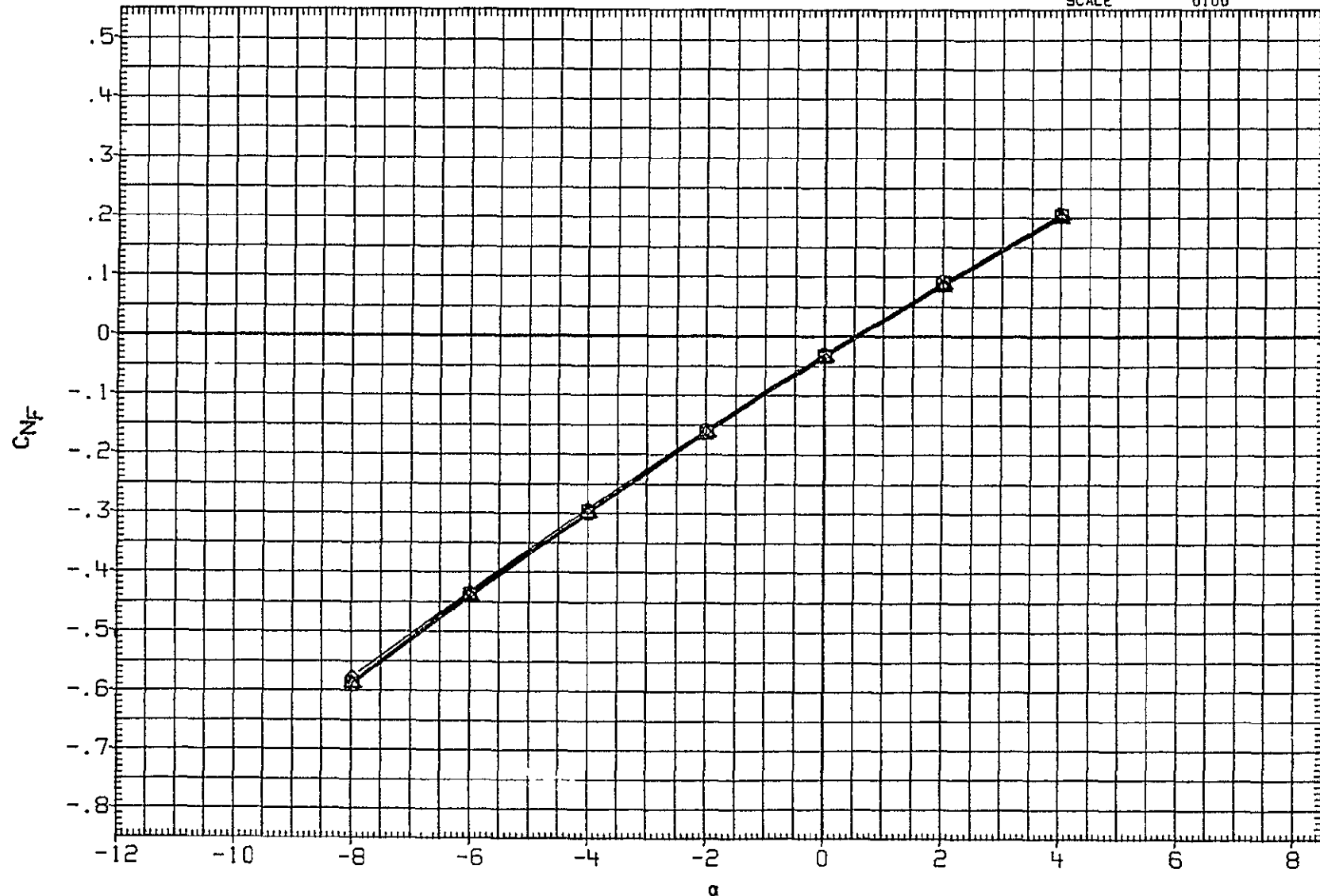


FIG. 4 LONGITUDINAL AERODYNAMIC CHARACTERISTICS

(A) MACH = 1.55

DATA SET	SYMBOL	CONFIGURATION	BETA	ELV-LI	ELV-LO	ELV-RI	ELV-RO	REFERENCE INFORMATION		
MJKB27	○	LARC UPWT 1152(1A94A) OTSAT130	-6.000	10.000	-10.000	10.000	-10.000	SREF	2690.0000	SQ.FT.
MJKB28	□	LARC UPWT 1152(1A94A) OTSAT130	-4.000	10.000	-10.000	10.000	-10.000	LREF	1290.3000	INCHES
MJKB29	◇	LARC UPWT 1152(1A94A) OTSAT130	.000	10.000	-10.000	10.000	-10.000	BREF	1290.3000	INCHES
MJKB30	△	LARC UPWT 1152(1A94A) OTSAT130	4.000	10.000	-10.000	10.000	-10.000	XMRP	976.0000	IN. XT
MJKB31	▽	LARC UPWT 1152(1A94A) OTSAT130	6.000	10.000	-10.000	10.000	-10.000	YMRP	.0000	IN. YT
								ZMRP	400.0000	IN. ZT
								SCALE	.0100	

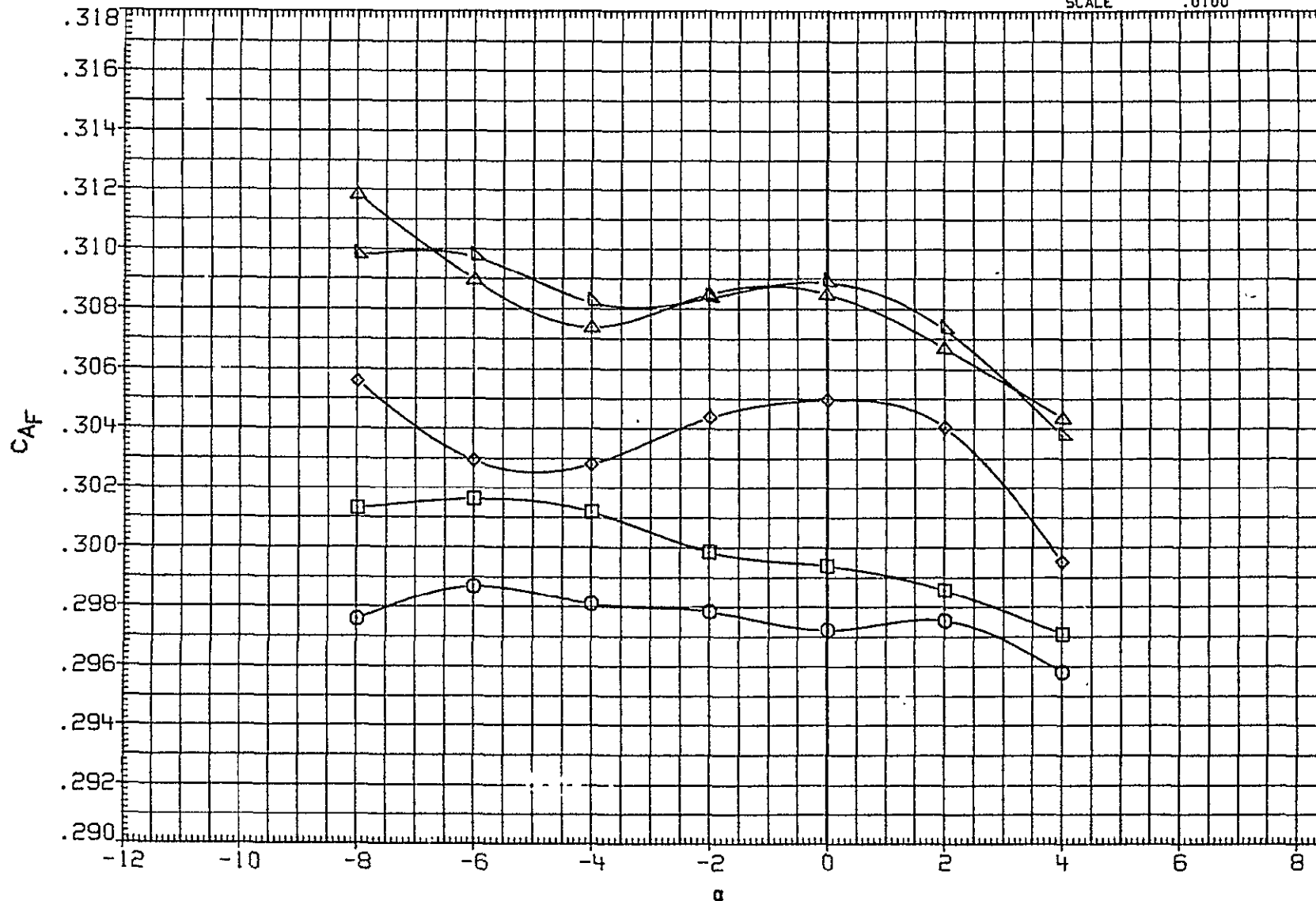


FIG. 4 LONGITUDINAL AERODYNAMIC CHARACTERISTICS

(A) MACH = 1.55

DATA SET	SYMBOL	CONFIGURATION	BETA	ELV-LI	ELV-LO	ELV-RI	ELV-RO	REFERENCE INFORMATION		
MJKB27	○	LARC UPWT 1152(1A94A) OTSAT130	-6.000	10.000	-10.000	10.000	-10.000	SREF	2690.0000	SQ FT.
MJKB28	□	LARC UPWT 1152(1A94A) OTSAT130	-4.000	10.000	-10.000	10.000	-10.000	LREF	1290.3000	INCHES
MJKB29	◇	LARC UPWT 1152(1A94A) OTSAT130	.000	10.000	-10.000	10.000	-10.000	BREF	1290.3000	INCHES
MJKB30	△	LARC UPWT 1152(1A94A) OTSAT130	4.000	10.000	-10.000	10.000	-10.000	XMRP	976.0000	IN. XT
MJKB31	▽	LARC UPWT 1152(1A94A) OTSAT130	6.000	10.000	-10.000	10.000	-10.000	YMRP	.0000	IN. YT
								ZMRP	400.0000	IN. ZT
								SCALE	0.100	

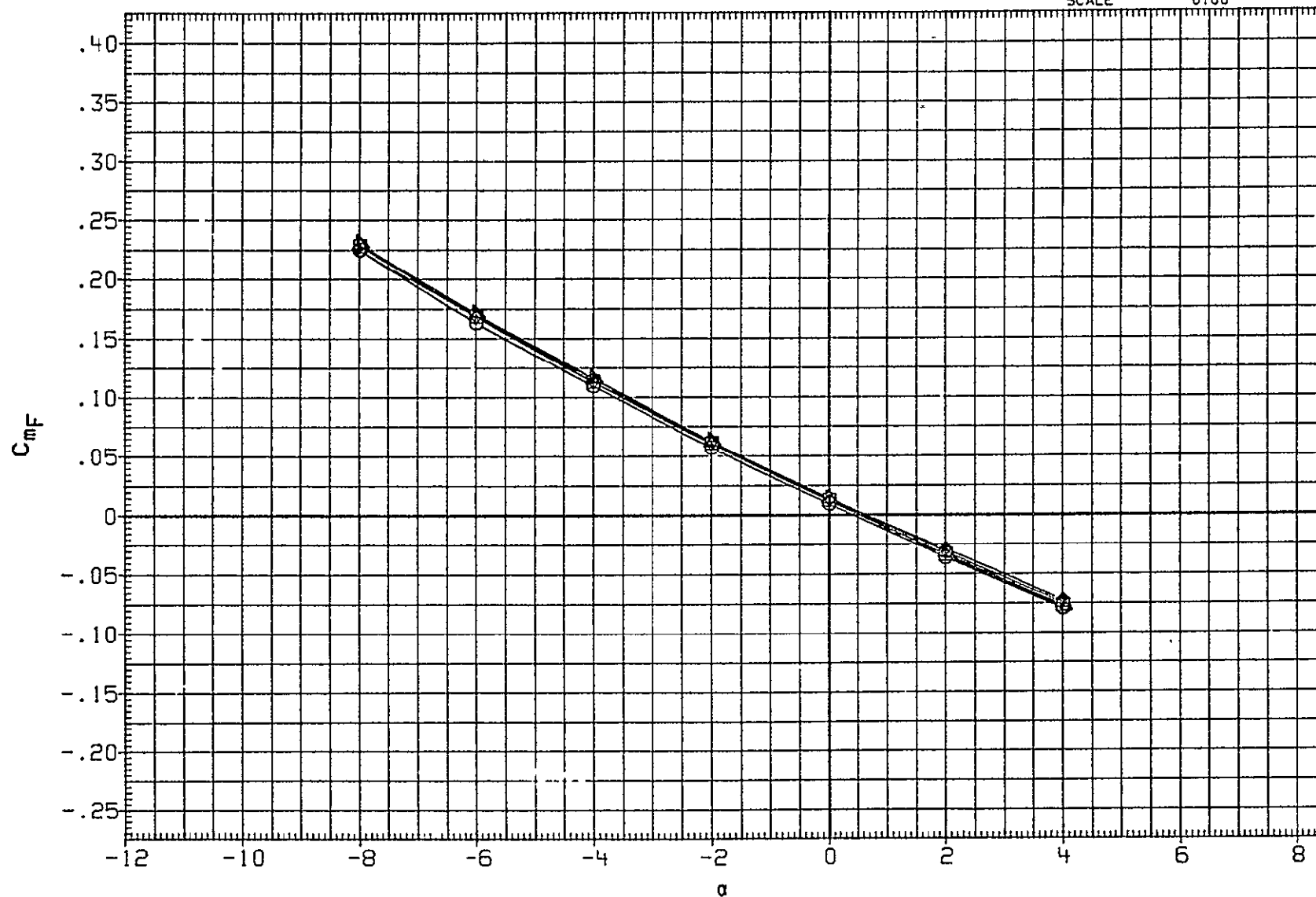


FIG. 4 LONGITUDINAL AERODYNAMIC CHARACTERISTICS

DATA SET	SYMBOL	CONFIGURATION	BETA	ELV-LI	ELV-LO	ELV-RI	ELV-RO	REFERENCE INFORMATION		
MJKB27	○	LARC UPWT 1152(1A94A) OTSAT130	-6.000	10.000	-10.000	10.000	-10.000	SREF	2690.0000	SQ.FT.
MJKB28	□	LARC UPWT 1152(1A94A) OTSAT130	-4.000	10.000	-10.000	10.000	-10.000	LREF	1290.3000	INCHES
MJKB29	◇	LARC UPWT 1152(1A94A) OTSAT130	.000	10.000	-10.000	10.000	-10.000	BREF	1290.3000	INCHES
MJKB30	△	LARC UPWT 1152(1A94A) OTSAT130	4.000	10.000	-10.000	10.000	-10.000	XMRP	976.0000	IN. XT
MJKB31	▽	LARC UPWT 1152(1A94A) OTSAT130	6.000	10.000	-10.000	10.000	-10.000	YMRP	.0000	IN. YT
								ZMRP	400.0000	IN. ZT
								SCALE	.0100	

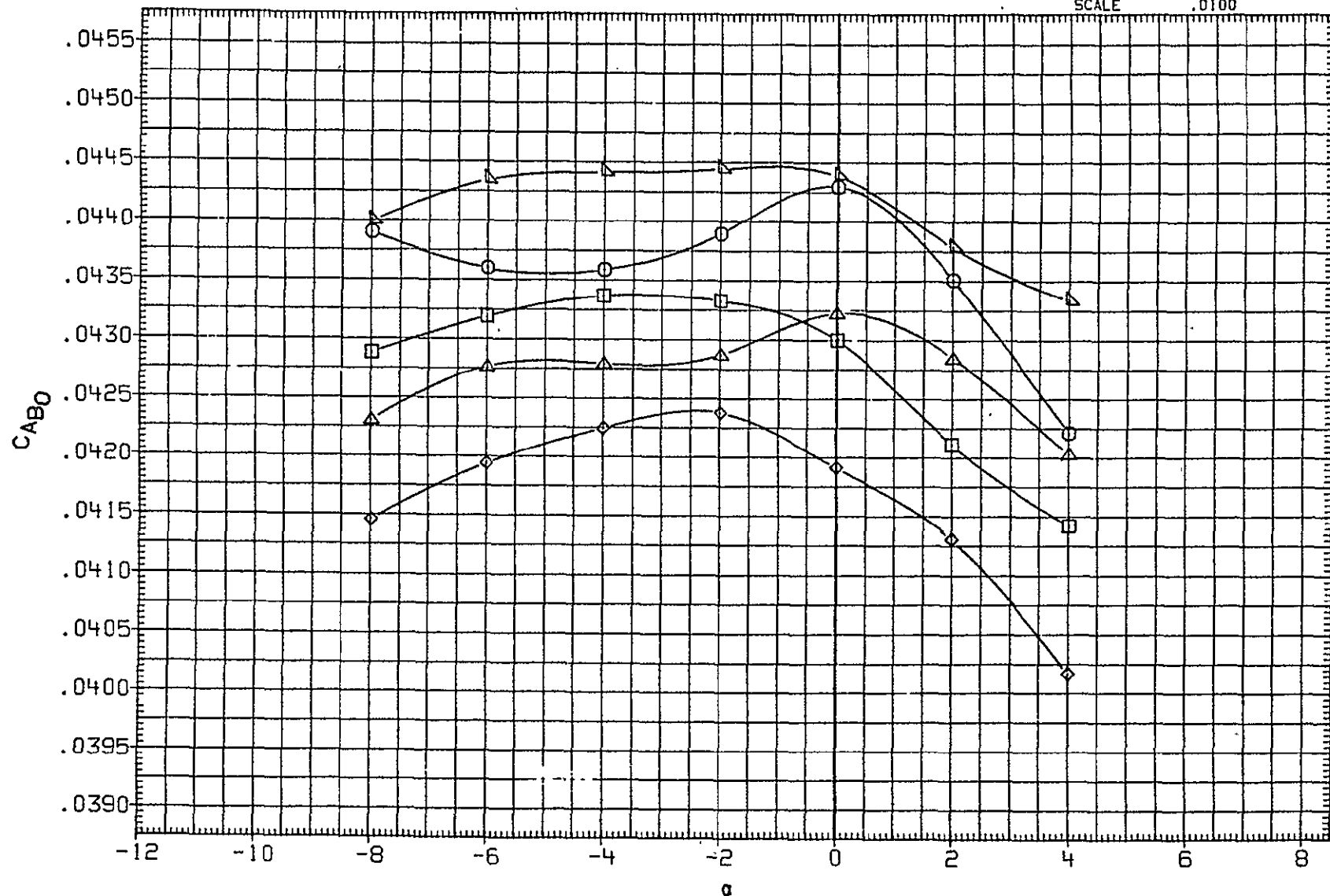


FIG. 4 LONGITUDINAL AERODYNAMIC CHARACTERISTICS

(A) MACH = 1.55

DATA SET	SYMBOL	CONFIGURATION	BETA	ELV-LI	ELV-LO	ELV-RI	ELV-RO	REFERENCE INFORMATION		
MJKB27	○	LARC UPWT 1152(1A94A) OTSAT130	-6.000	10.000	-10.000	10.000	-10.000	SREF	2690.0000	SQ FT.
MJKB28	□	LARC UPWT 1152(1A94A) OTSAT130	-4.000	10.000	-10.000	10.000	-10.000	LREF	1290.3000	INCHES
MJKB29	◇	LARC UPWT 1152(1A94A) OTSAT130	.000	10.000	-10.000	10.000	-10.000	BREF	1290.3000	INCHES
MJKB30	△	LARC UPWT 1152(1A94A) OTSAT130	4.000	10.000	-10.000	10.000	-10.000	XMRP	976.0000	IN XT
MJKB31	▽	LARC UPWT 1152(1A94A) OTSAT130	6.000	10.000	-10.000	10.000	-10.000	YMRP	0000	IN YT
								ZMRP	400.0000	IN. ZT
								SCALE	0100	

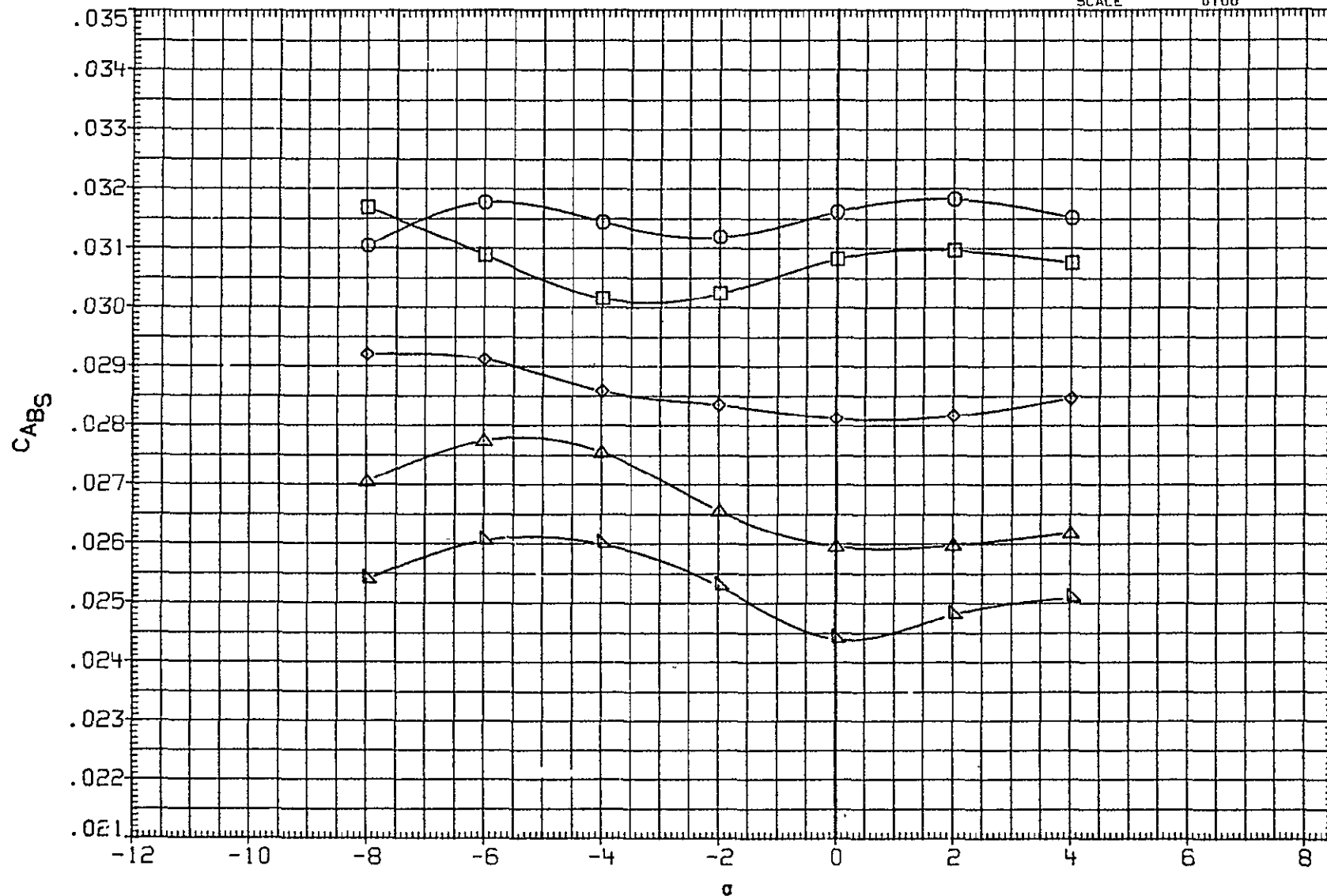


FIG. 4 LONGITUDINAL AERODYNAMIC CHARACTERISTICS

(A) MACH = 1.55

DATA SET	SYMBOL	CONFIGURATION	BETA	ELV-LI	ELV-LO	ELV-RI	ELV-RO	REFERENCE INFORMATION		
MJKB27	○	LARC UPWT 1152(1A94A) OTSAT130	-6.000	10.000	-10.000	10.000	-10.000	SREF	2690.0000	50. FT.
MJKB28	□	LARC UPWT 1152(1A94A) OTSAT130	-4.000	10.000	-10.000	10.000	-10.000	LREF	1290.3000	INCHES
MJKB29	◇	LARC UPWT 1152(1A94A) OTSAT130	.000	10.000	-10.000	10.000	-10.000	BREF	1290.3000	INCHES
MJKB30	△	LARC UPWT 1152(1A94A) OTSAT130	4.000	10.000	-10.000	10.000	-10.000	XMRP	976.0000	IN. XT
MJKB31	▽	LARC UPWT 1152(1A94A) OTSAT130	6.000	10.000	-10.000	10.000	-10.000	YMRP	.0000	IN. YT
								ZMRP	400.0000	IN. ZT
								SCALE	.0100	

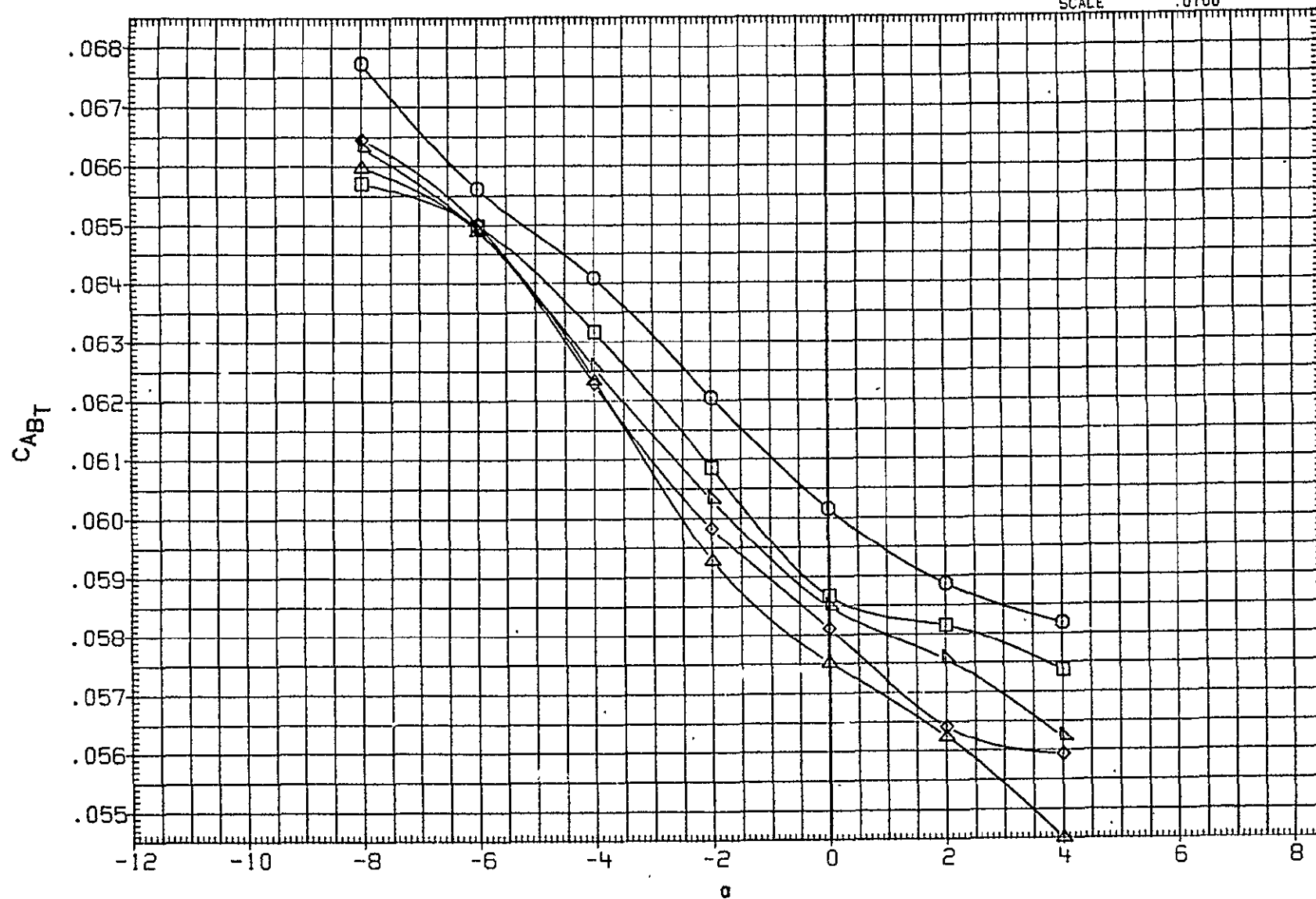


FIG. 4 LONGITUDINAL AERODYNAMIC CHARACTERISTICS

(A) MACH = 1.55

DATA SET	SYMBOL	CONFIGURATION	BETA	ELV-LI	ELV-LO	ELV-RI	ELV-RO	REFERENCE INFORMATION		
MJK832	○	LARC UPWT 1152(1A94A) OTSAT130	-6.000	12.000	-10.000	12.000	-10.000	SREF	2690.0000	SQ.FT.
MJK833	□	LARC UPWT 1152(1A94A) OTSAT130	-4.000	12.000	-10.000	12.000	-10.000	LREF	1290.3000	INCHES
MJK834	◇	LARC UPWT 1152(1A94A) OTSAT130	0.000	12.000	-10.000	12.000	-10.000	BREF	1290.3000	INCHES
MJK835	△	LARC UPWT 1152(1A94A) OTSAT130	4.000	12.000	-10.000	12.000	-10.000	XMRP	976.0000	IN. XT
MJK836	▽	LARC UPWT 1152(1A94A) OTSAT130	6.000	12.000	-10.000	12.000	-10.000	YMRP	0000	IN. YT
								ZMRP	400.0000	IN. ZT
								SCALE	0100	

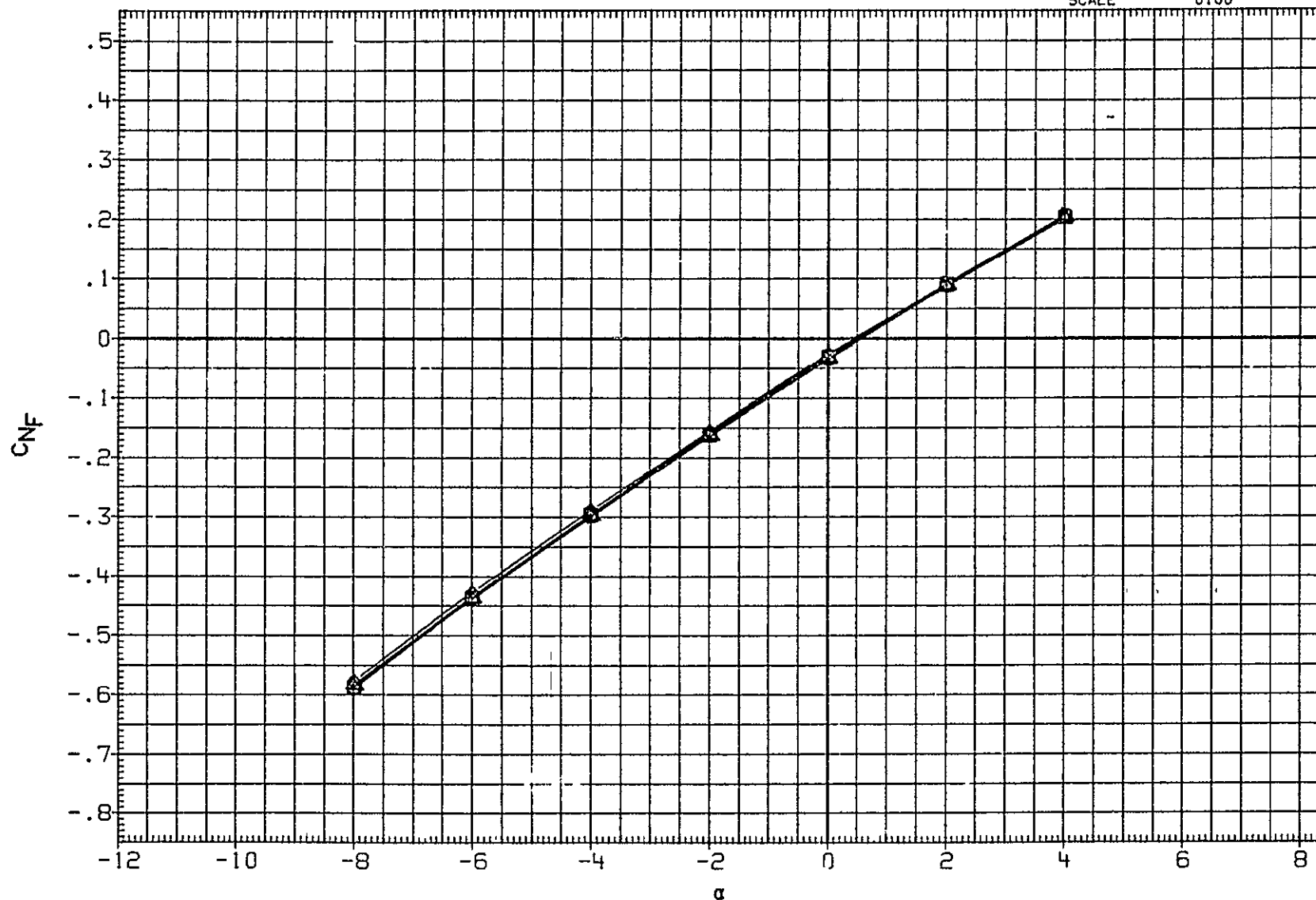


FIG. 4 LONGITUDINAL AERODYNAMIC CHARACTERISTICS

DATA SET	SYMBOL	CONFIGURATION	BETA	ELV-LI	ELV-LO	ELV-RI	ELV-RO	REFERENCE INFORMATION		
MJKB32	○	LARC UPWT 1152(1A94A) OTSAT130	-6.000	12.000	-10.000	12.000	-10.000	SREF	2690.0000	SQ.FT.
MJKB33	□	LARC UPWT 1152(1A94A) OTSAT130	-4.000	12.000	-10.000	12.000	-10.000	LREF	1290.3000	INCHES
MJKB34	◇	LARC UPWT 1152(1A94A) OTSAT130	.000	12.000	-10.000	12.000	-10.000	BREF	1290.3000	INCHES
MJKB35	△	LARC UPWT 1152(1A94A) OTSAT130	4.000	12.000	-10.000	12.000	-10.000	XMRP	976.0000	IN. XT
MJKB36	▽	LARC UPWT 1152(1A94A) OTSAT130	6.000	12.070	-10.000	12.000	-10.000	YMRP	.0000	IN. YT
								ZMRP	400.0000	IN. ZT
								SCALE	.0100	

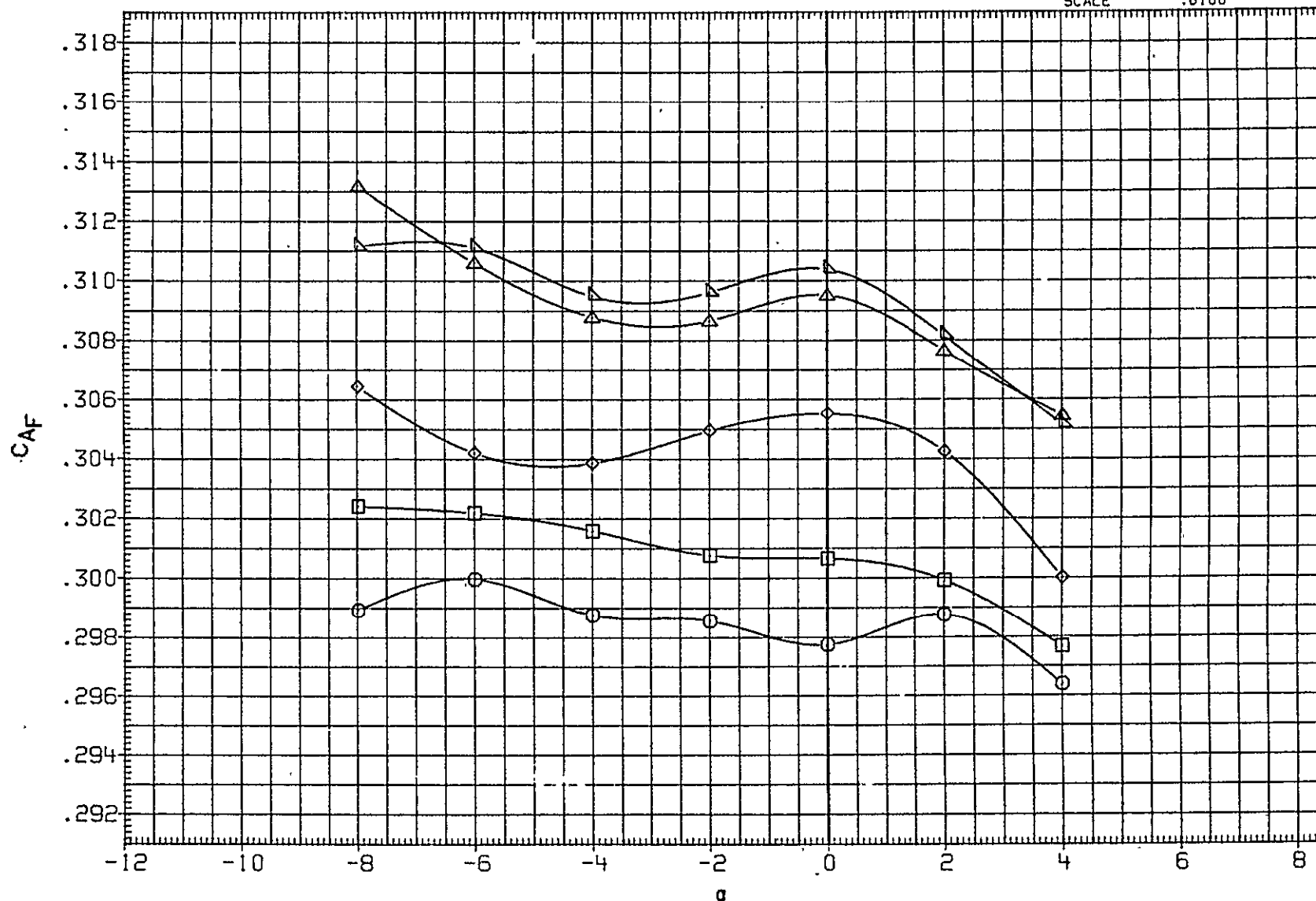


FIG. 4 LONGITUDINAL AERODYNAMIC CHARACTERISTICS

(A) MACH = 1.55

DATA SET	SYMBOL	CONFIGURATION	BETA	ELV-LI	ELV-LO	ELV-RI	ELV-RO	REFERENCE INFORMATION		
MJKB32	○	LARC UPWT 1152(1A94A) OTSAT130	-6.000	12.000	-10.000	12.000	-10.000	SREF	2690.0000	SQ.FT.
MJKB33	□	LARC UPWT 1152(1A94A) OTSAT130	-4.000	12.000	-10.000	12.000	-10.000	LREF	1290.3000	INCHES
MJKB34	◇	LARC UPWT 1152(1A94A) OTSAT130	.000	12.000	-10.000	12.000	-10.000	BREF	1290.3000	INCHES
MJKB35	△	LARC UPWT 1152(1A94A) OTSAT130	4.000	12.000	-10.000	12.000	-10.000	XMRP	976.0000	IN. XT
MJKB36	▽	LARC UPWT 1152(1A94A) OTSAT130	6.000	12.000	-10.000	12.000	-10.000	YMRP	0000	IN. YT
								ZMRP	400.0000	IN. ZT
								SCALE	0100	

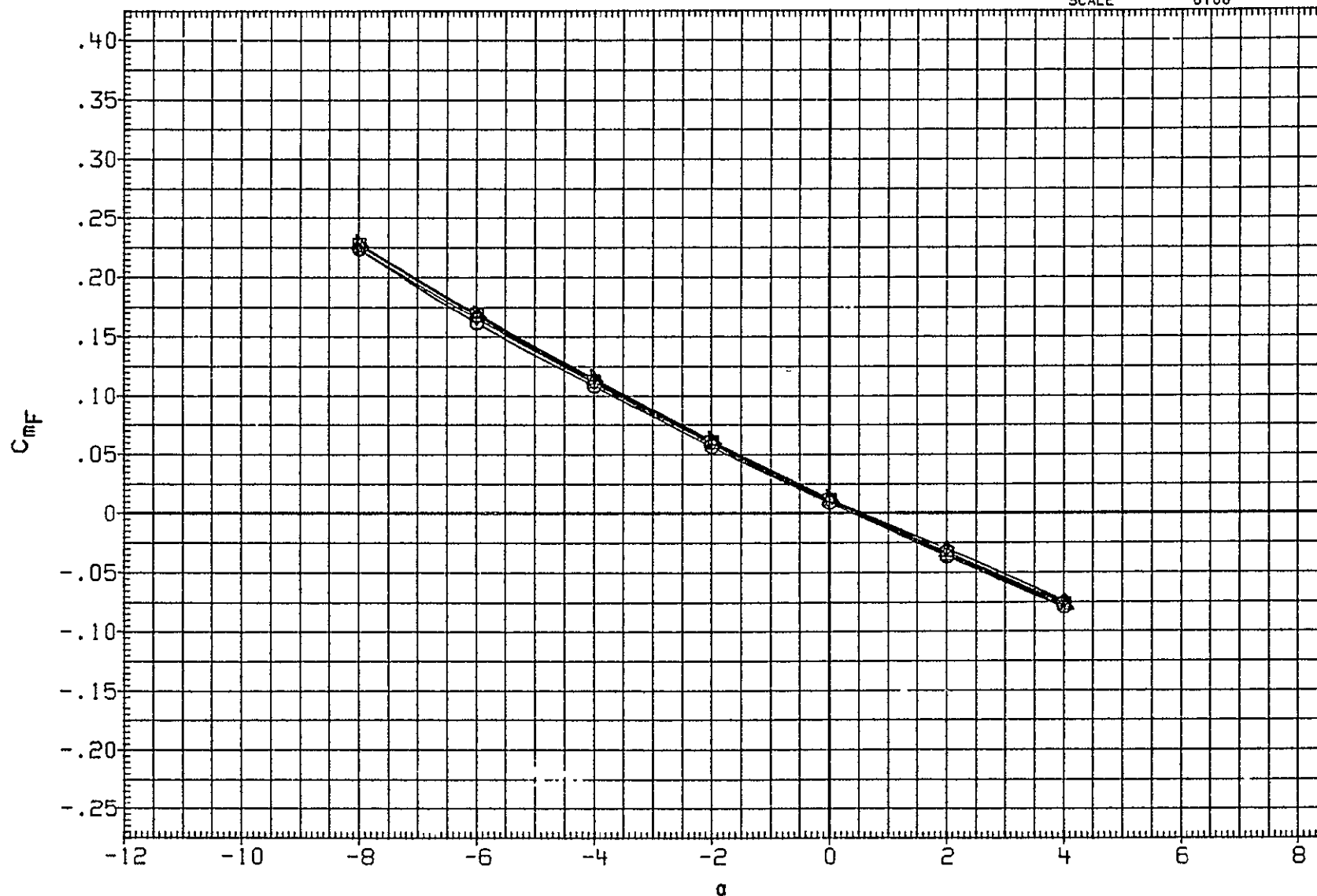


FIG. 4 LONGITUDINAL AERODYNAMIC CHARACTERISTICS

DATA SET	SYMBOL	CONFIGURATION	BETA	ELV-LI	ELV-LO	ELV-RI	ELV-RO	REFERENCE INFORMATION		
MJKB32	○	LARC UPWT 1152(1A94A) OTSAT130	-6.000	12.000	-10.000	12.000	-10.000	SREF	2690.0000	50. FT.
MJKB33	□	LARC UPWT 1152(1A94A) OTSAT130	-4.000	12.000	-10.000	12.000	-10.000	LREF	1290.3000	INCHES
MJKB34	◇	LARC UPWT 1152(1A94A) OTSAT130	.000	12.000	-10.000	12.000	-10.000	BREF	1290.3000	INCHES
MJKB35	△	LARC UPWT 1152(1A94A) OTSAT130	4.000	12.000	-10.000	12.000	-10.000	XMRP	976.0000	IN. XT
MJKB36	▽	LARC UPWT 1152(1A94A) OTSAT130	6.000	12.000	-10.000	12.000	-10.000	YMRP	.0000	IN. YT
								ZMRP	400.0000	IN. ZT
								SCALE	.0100	

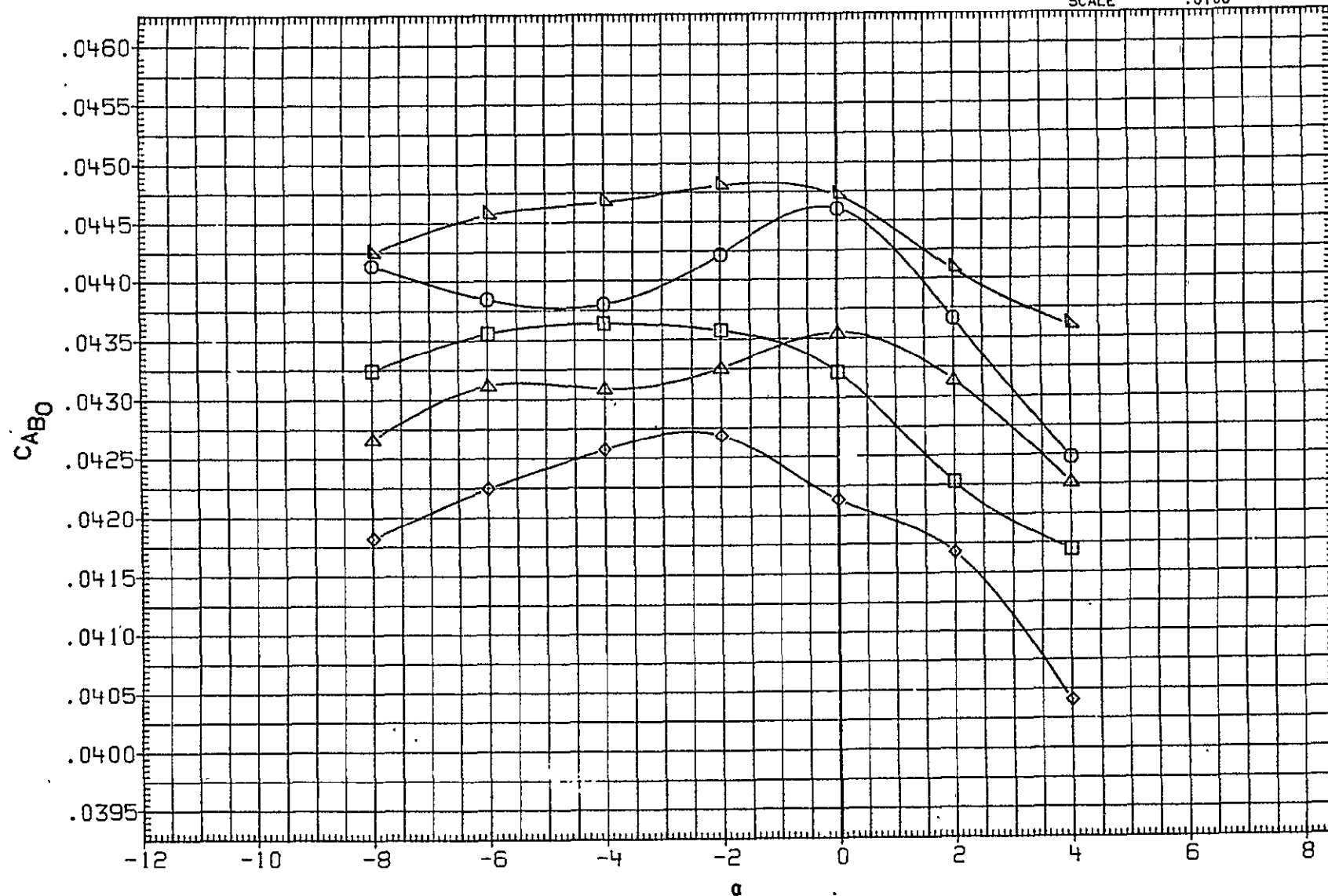


FIG. 4 LONGITUDINAL AERODYNAMIC CHARACTERISTICS

(A) MACH = 1.55

DATA SET	SYMBOL	CONFIGURATION	BETA	ELV-LI	ELV-LO	ELV-RI	ELV-RO	REFERENCE INFORMATION		
MJKB32	○	LARC UPWT 1152(1A94A) OTSAT130	-6.000	12.000	-10.000	12.000	-10.000	SREF	2690.0000	SQ.FT
MJKB33	□	LARC UPWT 1152(1A94A) OTSAT130	-4.000	12.000	-10.000	12.000	-10.000	LREF	1290.3000	INCHES
MJKB34	◇	LARC UPWT 1152(1A94A) OTSAT130	0.000	12.000	-10.000	12.000	-10.000	BREF	1290.3000	INCHES
MJKB35	△	LARC UPWT 1152(1A94A) OTSAT130	4.000	12.000	-10.000	12.000	-10.000	XMRP	976.0000	IN. XT
MJKB36	▽	LARC UPWT 1152(1A94A) OTSAT130	6.000	12.000	-10.000	12.000	-10.000	YMRP	0.0000	IN. YT
								ZMRP	400.0000	IN. ZT
								SCALE	0100	

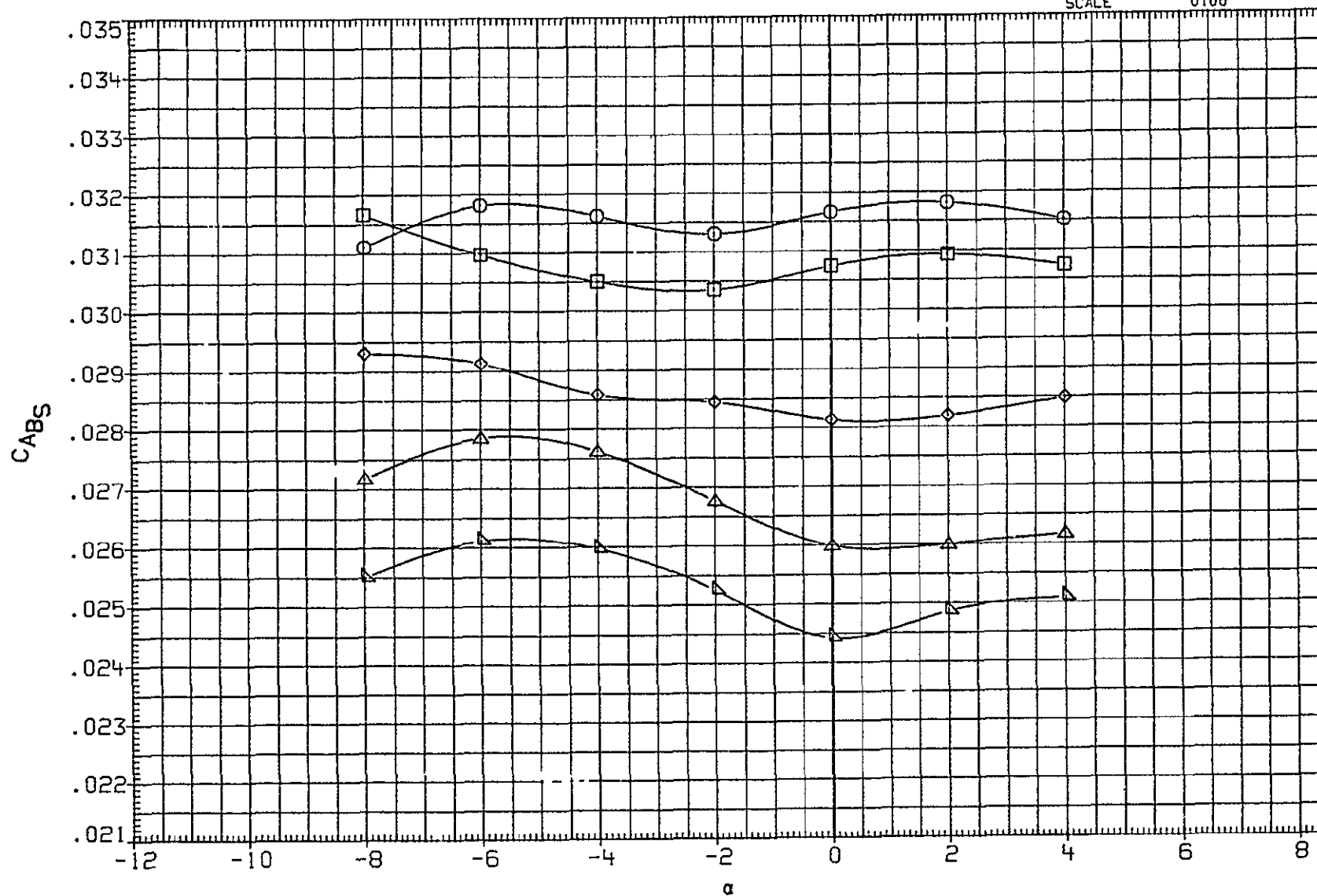


FIG. 4 LONGITUDINAL AERODYNAMIC CHARACTERISTICS

(A) MACH = 1.55

DATA SET	SYMBOL	CONFIGURATION	BETA	ELV-LI	ELV-LO	ELV-RI	ELV-RO	REFERENCE INFORMATION		
MJKB32	○	LARC UPWT 1152(1A94A) OTSAT130	-6.000	12.000	-10.000	12.000	-10.000	SREF	2590.0000	50.FT.
MJKB33	◇	LARC UPWT 1152(1A94A) OTSAT130	-4.000	12.000	-10.000	12.000	-10.000	LREF	1290.3000	INCHES
MJKB34	□	LARC UPWT 1152(1A94A) OTSAT130	.000	12.000	-10.000	12.000	-10.000	BREF	1290.3000	INCHES
MJKB35	△	LARC UPWT 1152(1A94A) OTSAT130	4.000	12.000	-10.000	12.000	-10.000	XMRP	976.0000	IN. XT
MJKB36	▽	LARC UPWT 1152(1A94A) OTSAT130	6.000	12.000	-10.000	12.000	-10.000	YMRP	.0000	IN. YT
								ZMRP	400.0000	IN. ZT
								SCALE	.0100	

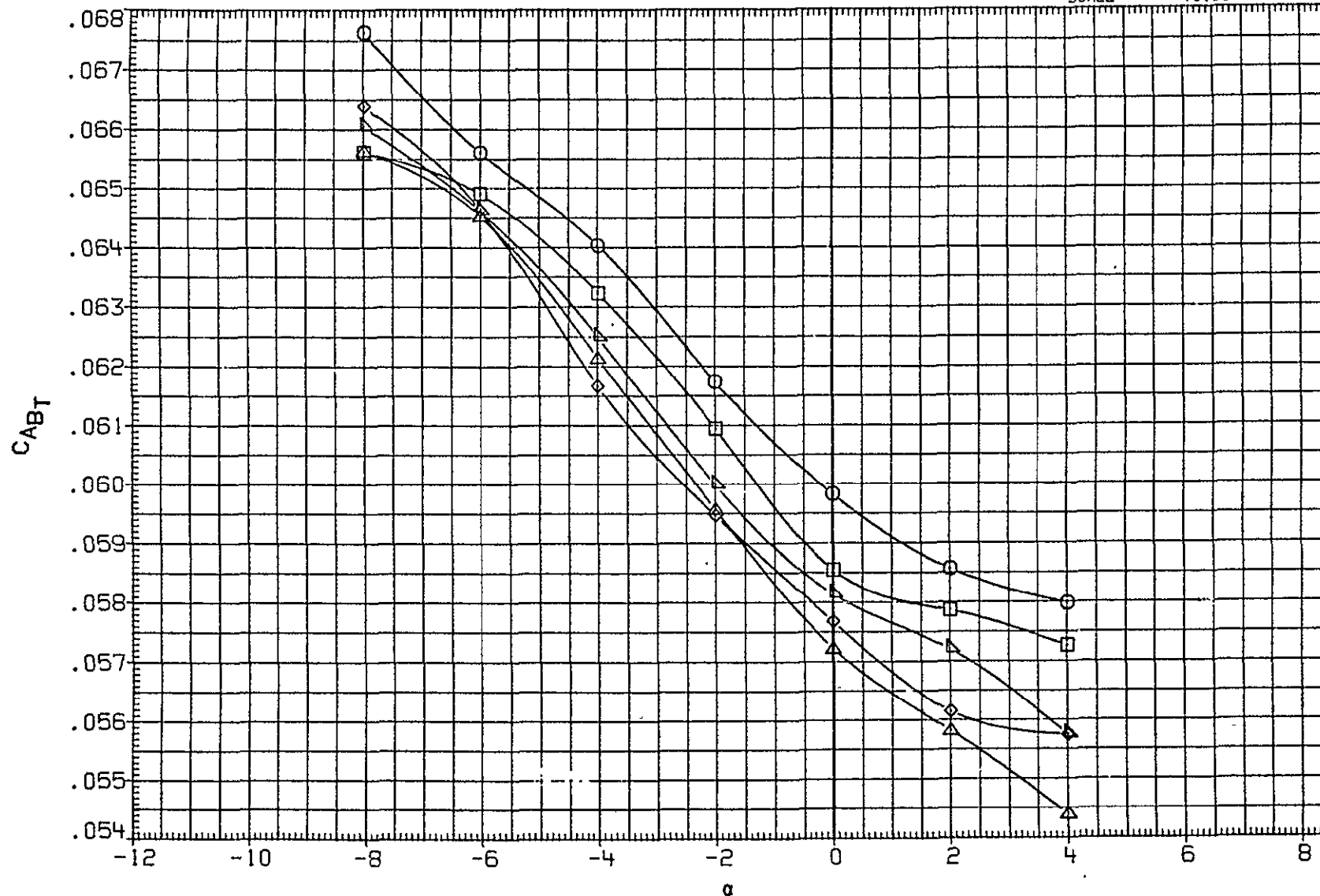


FIG. 4 LONGITUDINAL AERODYNAMIC CHARACTERISTICS

(A) MACH = 1.55

DATA SET	SYMBOL	CONFIGURATION	BETA	ELV-LI	ELV-LO	ELV-RI	ELV-RO	REFERENCE INFORMATION		
MJKB37	○	LARC UPWT 1152(1A94A) OTSAT130	-5.000	12.000	-5.000	12.000	-5.000	SREF	2690 0000	SQ.FT.
MJKB38	□	LARC UPWT 1152(1A94A) OTSAT130	-4.000	12.000	-5.000	12.000	-5.000	LREF	1290.3000	INCHES
MJKB39	◇	LARC UPWT 1152(1A94A) OTSAT130	.000	12.000	-5.000	12.000	-5.000	BREF	1290 3000	INCHES
MJKB40	△	LARC UPWT 1152(1A94A) OTSAT130	4.000	12.000	-5.000	12.000	-5.000	XMRP	976 0000	IN. XT
MJKB41	▽	LARC UPWT 1152(1A94A) OTSAT130	6.000	12.000	-5.000	12.000	-5.000	YMRP	0000	IN. YT
								ZMRP	400 0000	IN. ZT
								SCALE	0100	

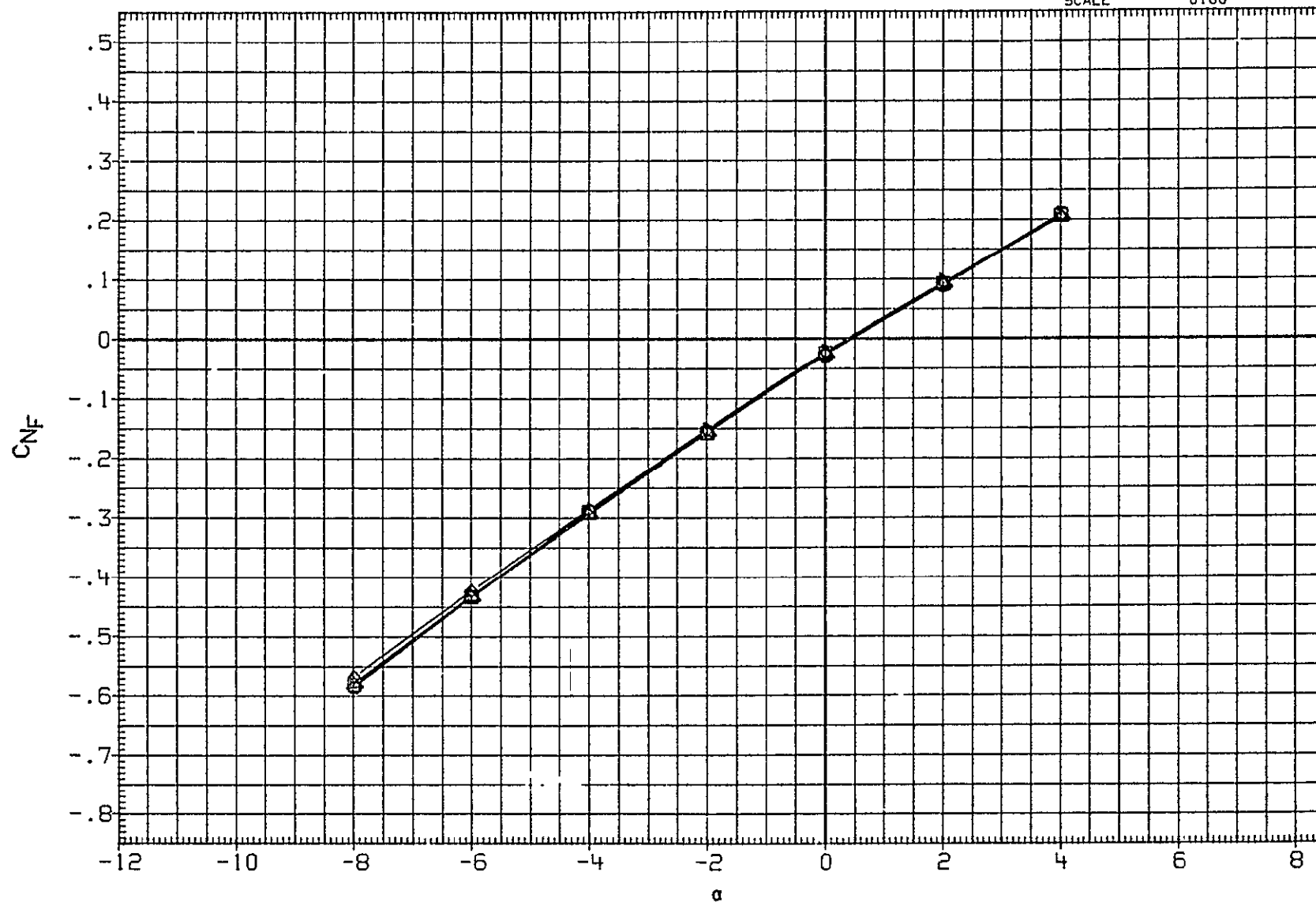


FIG. 4 LONGITUDINAL AERODYNAMIC CHARACTERISTICS

(A) MACH = 1.55

DATA SET	SYMBOL	CONFIGURATION	BETA	ELV-LI	ELV-LO	ELV-RI	ELV-RO	REFERENCE INFORMATION	
MJKB37	○	LARC UPWT 1152(1A94A) OTSAT130	-6.000	12.000	-5.000	12.000	-5.000	SREF	2690.0000 SQ.FT.
MJKB38	□	LARC UPWT 1152(1A94A) OTSAT130	-4.000	12.000	-5.000	12.000	-5.000	LREF	1290.3000 INCHES
MJKB39	◇	LARC UPWT 1152(1A94A) OTSAT130	.000	12.000	-5.000	12.000	-5.000	BREF	1290.3000 INCHES
MJKB40	△	LARC UPWT 1152(1A94A) OTSAT130	4.000	12.000	-5.000	12.000	-5.000	XMPP	976.0000 IN. XT
MJKB41	▽	LARC UPWT 1152(1A94A) OTSAT130	6.000	12.000	-5.000	12.000	-5.000	YMRP	.0000 IN. YT
								ZMRP	400.0000 IN. ZT
								SCALE	.0100

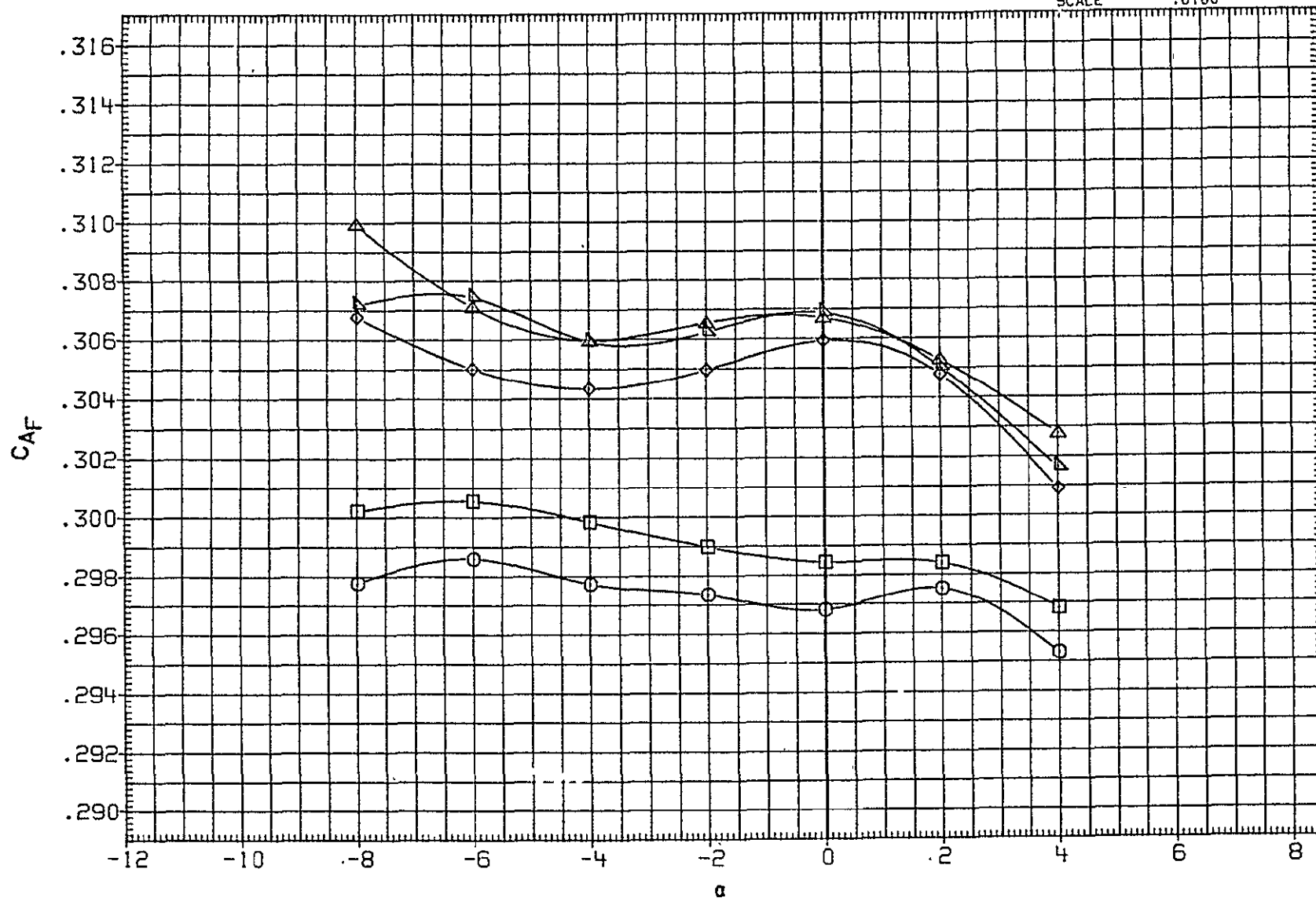


FIG. 4 LONGITUDINAL AERODYNAMIC CHARACTERISTICS

(A) MACH = 1.55

DATA SET	SYMBOL	CONFIGURATION	BETA	ELV-L1	ELV-LO	ELV-RI	ELV-RO	REFERENCE INFORMATION		
MJKB37	○	LARC UPWT 1152(1A94A) OTSAT130	-6.000	12.000	-5.000	12.000	-5.000	SREF	2690.0000	SQ FT.
MJKB38	□	LARC UPWT 1152(1A94A) OTSAT130	-4.000	12.000	-5.000	12.000	-5.000	LREF	1290.3000	INCHES
MJKB39	◇	LARC UPWT 1152(1A94A) OTSAT130	0.000	12.000	-5.000	12.000	-5.000	BREF	1290.3000	INCHES
MJKB40	△	LARC UPWT 1152(1A94A) OTSAT130	4.000	12.000	-5.000	12.000	-5.000	XMRP	976.0000	IN. XT
MJKB41	▽	LARC UPWT 1152(1A94A) OTSAT130	6.000	12.000	-5.000	12.000	-5.000	YMRP	0000	IN YT
								ZMRP	400.0000	IN ZT
								SCALE	.0100	

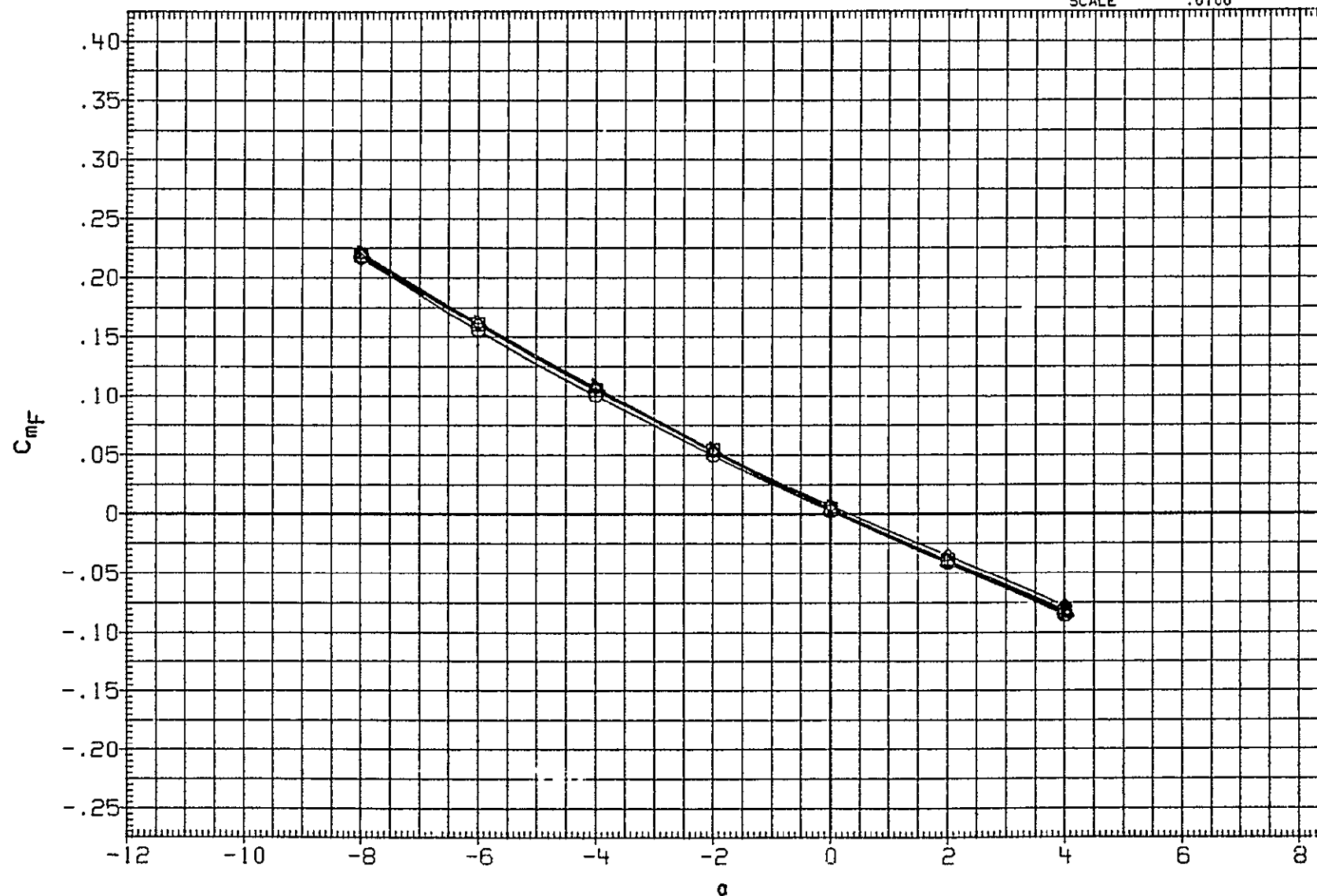


FIG. 4 LONGITUDINAL AERODYNAMIC CHARACTERISTICS

(A) MACH = 1.55

DATA SET SYMBOL CONFIGURATION

MJKB37	○	LARC UPWT 1152(1A94A) OTSAT130
MJKB38	□	LARC UPWT 1152(1A94A) OTSAT130
MJKB39	◇	LARC UPWT 1152(1A94A) OTSAT130
MJKB40	△	LARC UPWT 1152(1A94A) OTSAT130
MJKB41	▽	LARC UPWT 1152(1A94A) OTSAT130

BETA	ELV-L1	ELV-LO	ELV-R1	ELV-RO	REFERENCE INFORMATION		
-6.000	12.000	-5.000	12.000	-5.000	SREF	2690.0000	SQ.FT.
-4.000	12.000	-5.000	12.000	-5.000	LREF	1290.3000	INCHES
.000	12.000	-5.000	12.000	-5.000	BREF	1290.3000	INCHES
4.000	12.000	-5.000	12.000	-5.000	XMRP	976.0000	IN. XT
6.000	12.000	-5.000	12.000	-5.000	YMRP	.0000	IN. YT
					ZMRP	400.0000	IN. ZT
					SCALE	.0100	

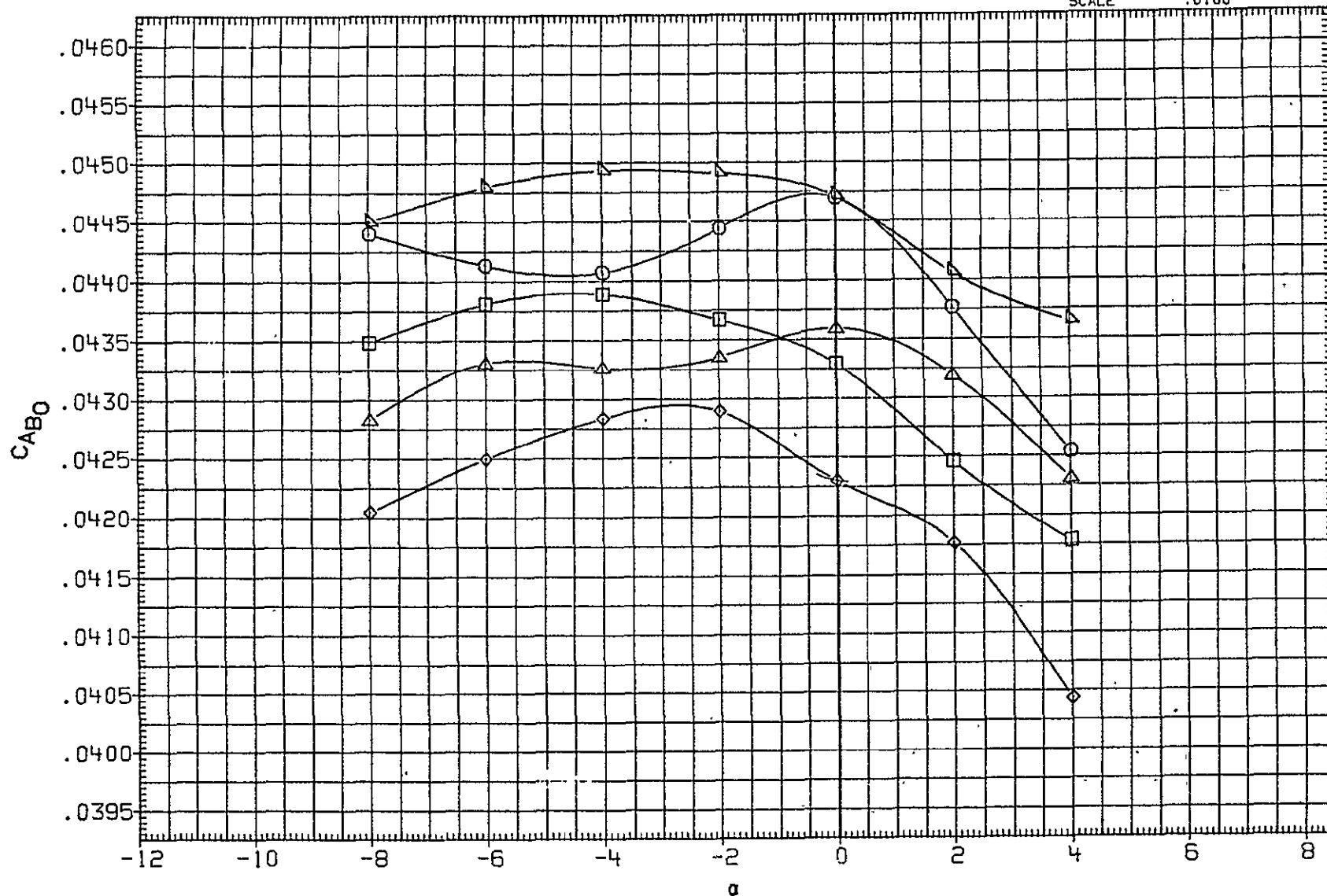


FIG. 4 LONGITUDINAL AERODYNAMIC CHARACTERISTICS

(A) MACH = 1.55

DATA SET	SYMBOL	CONFIGURATION	BETA	ELV-LI	ELV-LO	ELV-RI	ELV-RO	REFERENCE INFORMATION		
MJKB37	○	LARC UPWT 1152(1A94A) OTSAT130	-6.000	12.000	-5.000	12.000	-5.000	SREF	2690.0000	SQ FT
MJKB38	□	LARC UPWT 1152(1A94A) OTSAT130	-4.000	12.000	-5.000	12.000	-5.000	LREF	1290.3000	INCHES
MJKB39	◇	LARC UPWT 1152(1A94A) OTSAT130	.000	12.000	-5.000	12.000	-5.000	BREF	1290.3000	INCHES
MJKB40	△	LARC UPWT 1152(1A94A) OTSAT130	4.000	12.000	-5.000	12.000	-5.000	XMRP	976.0000	IN. YT
MJKB41	▽	LARC UPWT 1152(1A94A) OTSAT130	6.000	12.000	-5.000	12.000	-5.000	YMRP	0000	IN. YT
								ZMRP	400.0000	IN. ZT
								SCALE	0100	

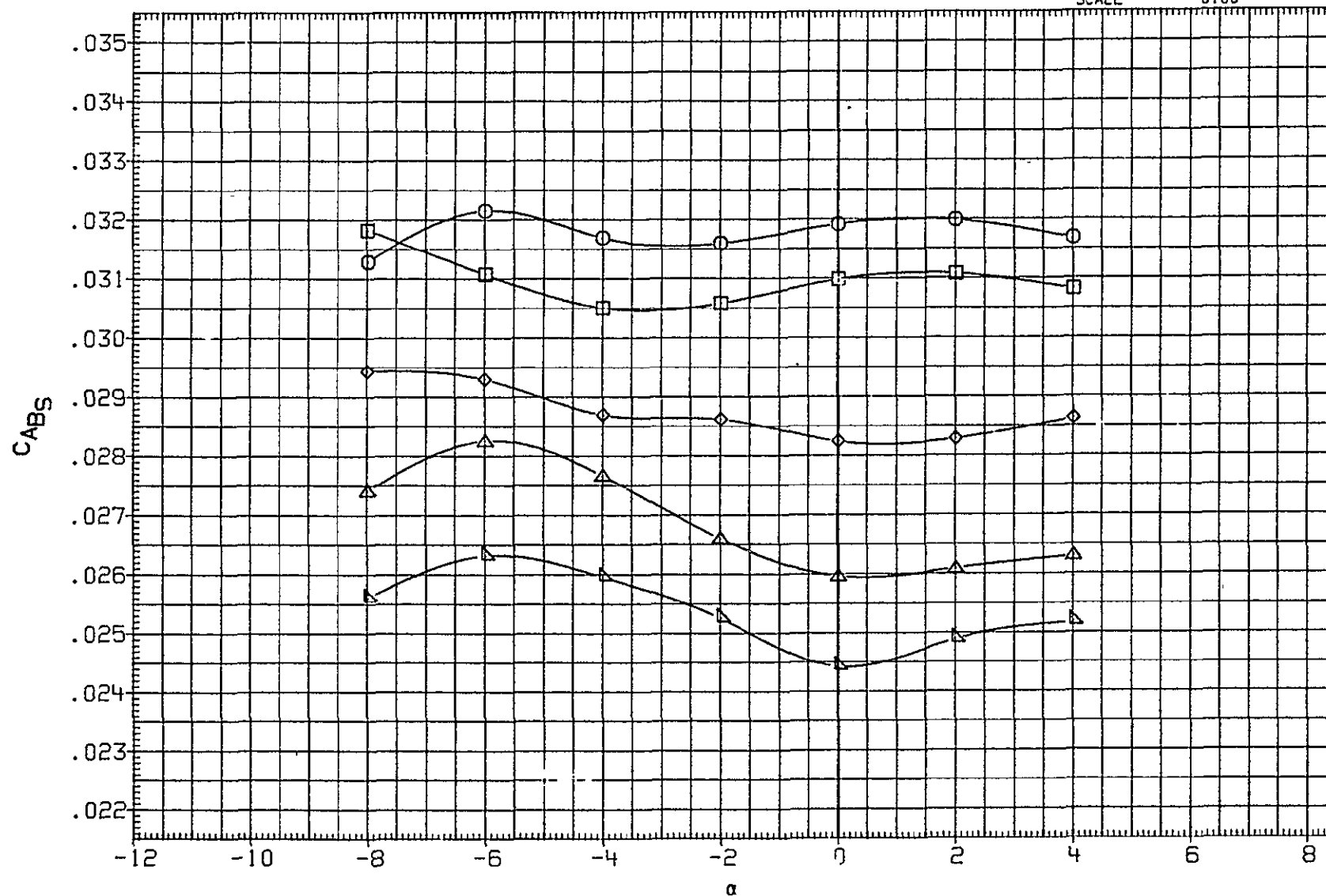


FIG. 4 LONGITUDINAL AERODYNAMIC CHARACTERISTICS

(A) MACH = 1.55

DATA SET	SYMBOL	CONFIGURATION	BETA	ELV-L1	ELV-L0	ELV-R1	ELV-R0	REFERENCE INFORMATION		
MJKB37	○	LARC UPWT 1152(1A94A) OTSAT130	-6.000	12.000	-5.000	12.000	-5.000	SREF	2690.0000	SQ.FT.
MJKB38	□	LARC UPWT 1152(1A94A) OTSAT130	-4.000	12.000	-5.000	12.000	-5.000	LREF	1290.3000	INCHES
MJKB39	◇	LARC UPWT 1152(1A94A) OTSAT130	.000	12.000	-5.000	12.000	-5.000	BREF	1290.3000	INCHES
MJKB40	△	LARC UPWT 1152(1A94A) OTSAT130	4.000	12.000	-5.000	12.000	-5.000	XMRP	976.0000	IN. XT
MJKB41	▽	LARC UPWT 1152(1A94A) OTSAT130	6.000	12.000	-5.000	12.000	-5.000	YMRP	.0000	IN. YT
								ZMRP	400.0000	IN. ZT
								SCALE	.0100	

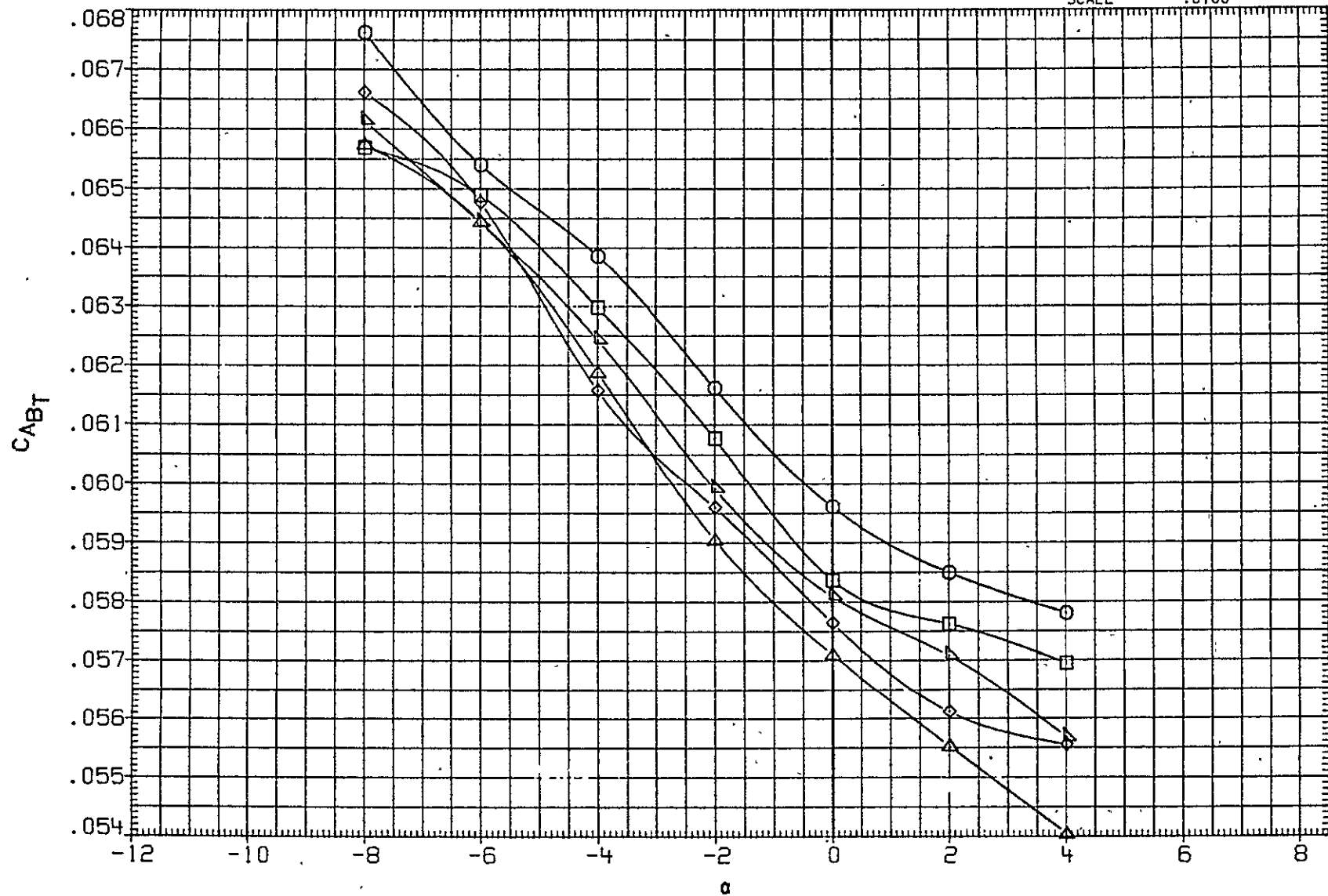


FIG. 4 LONGITUDINAL AERODYNAMIC CHARACTERISTICS

(A) MACH = 1.55

DATA SET	SYMBOL	CONFIGURATION	BETA	ELV-LI	ELV-LO	ELV-RI	ELV-RO	REFERENCE INFORMATION		
MJKB42	○	LARC UPWT 1152(1A94A) OTSAT130	-6 000	12.000	2.000	12.000	2 000	SREF	2690.0000	SQ.FT.
MJKB43	□	LARC UPWT 1152(1A94A) OTSAT130	-4 000	12 000	2.000	12 000	2 000	LREF	1290.3000	INCHES
MJKB44	◇	LARC UPWT 1152(1A94A) OTSAT130	000	12 000	2.000	12 000	2 000	BREF	1290 3000	INCHES
MJKB45	△	LARC UPWT 1152(1A94A) OTSAT130	4 000	12 000	2.000	12 000	2 000	XMRP	976 0000	IN XT
MJKB46	▽	LARC UPWT 1152(1A94A) OTSAT130	6 000	12 000	2 000	12 000	2.000	YMRP	.0000	IN YT
								ZMRP	400 0000	IN ZT
								SCALE	0100	

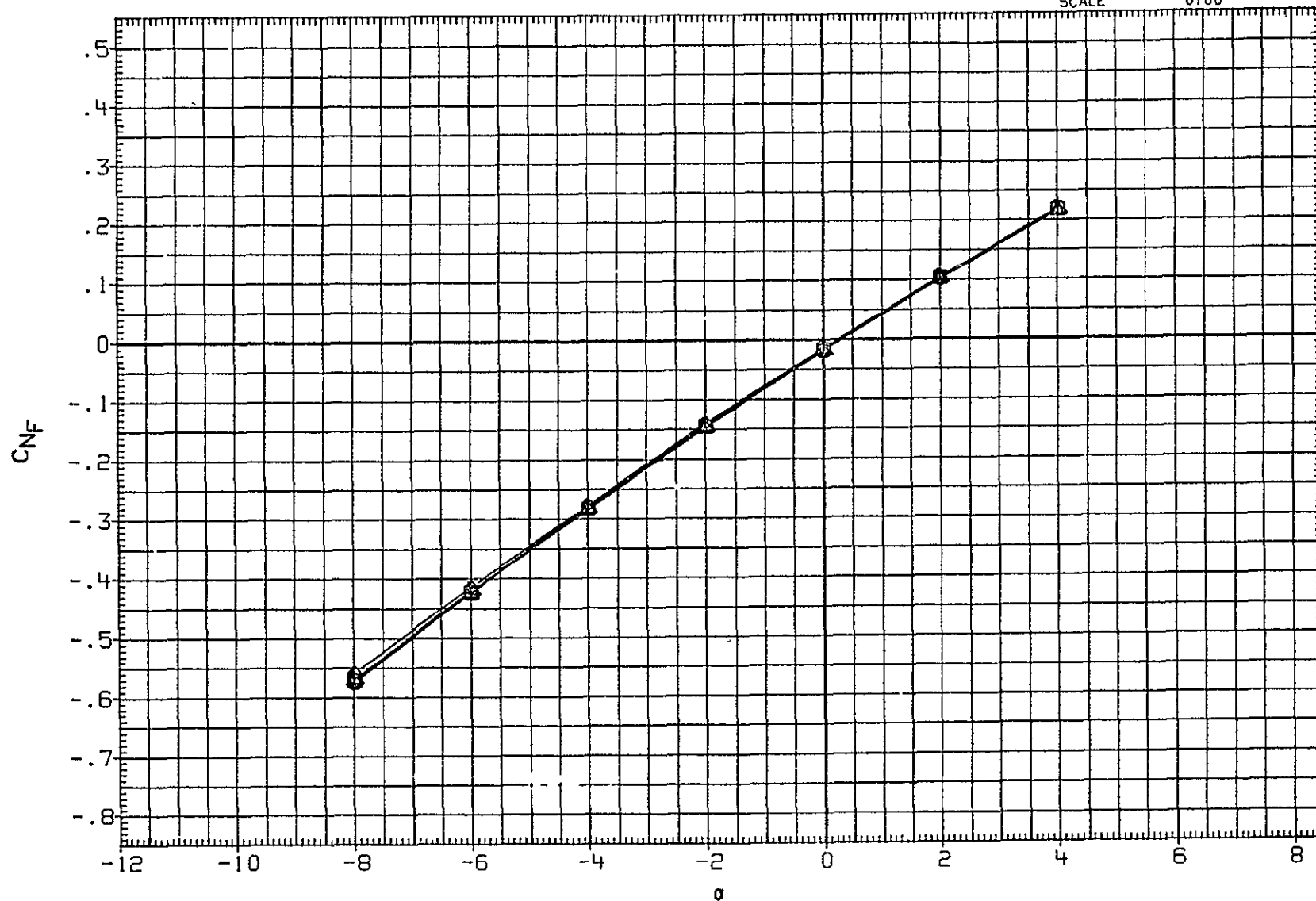


FIG. 4 LONGITUDINAL AERODYNAMIC CHARACTERISTICS

DATA SET	SYMBOL	CONFIGURATION	BETA	ELV-LI	ELV-LO	ELV-RI	ELV-RO	REFERENCE INFORMATION		
MJKB42	○	LARC UPWT 1152(1A94A) OTSAT130	-6.000	12.000	2.000	12.000	2.000	SREF	2690.0000	SQ.FT.
MJKB43	□	LARC UPWT 1152(1A94A) OTSAT130	-4.000	12.000	2.000	12.000	2.000	LREF	1290.3000	INCHES
MJKB44	◇	LARC UPWT 1152(1A94A) OTSAT130	.000	12.000	2.000	12.000	2.000	BREF	1290.3000	INCHES
MJKB45	△	LARC UPWT 1152(1A94A) OTSAT130	4.000	12.000	2.000	12.000	2.000	XMRP	976.0000	IN. XT
MJKB46	▽	LARC UPWT 1152(1A94A) OTSAT130	6.000	12.000	2.000	12.000	2.000	YMRP	.0000	IN. YT
								ZMRP	400.0000	IN. ZT
								SCALE	.0100	

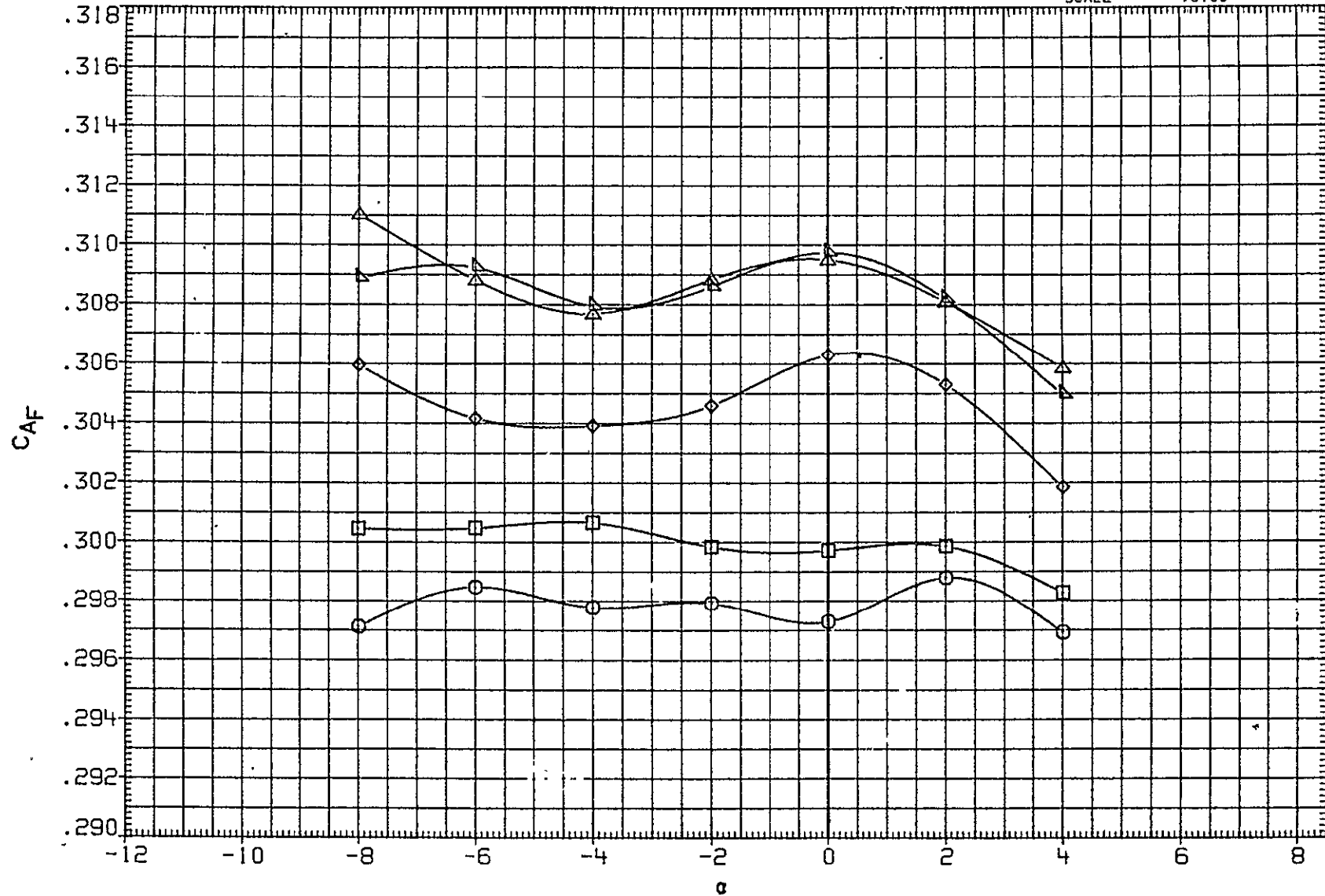


FIG. 4 LONGITUDINAL AERODYNAMIC CHARACTERISTICS

(A) MACH = 1.55

DATA SET	SYMBOL	CONFIGURATION	BETA	ELV-LI	ELV-LO	ELV-RI	ELV-RO	REFERENCE INFORMATION		
MJKB42	○	LARC UPWT 1152(1A94A) OTSAT130	-6.000	12.000	2.000	12.000	2.000	SREF	2690.0000	SQ FT.
MJKB43	□	LARC UPWT 1152(1A94A) OTSAT130	-4.000	12.000	2.000	12.000	2.000	LREF	1290.3000	INCHES
MJKB44	◇	LARC UPWT 1152(1A94A) OTSAT130	.000	12.000	2.000	12.000	2.000	BREF	1290.3000	INCHES
MJKB45	△	LARC UPWT 1152(1A94A) OTSAT130	4.000	12.000	2.000	12.000	2.000	XMRP	976.0000	IN. XT
MJKB46	▽	LARC UPWT 1152(1A94A) OTSAT130	6.000	12.000	2.000	12.000	2.000	YMRP	0000	IN. YT
								ZMRP	400.0000	IN. ZT
								SCALE	0100	

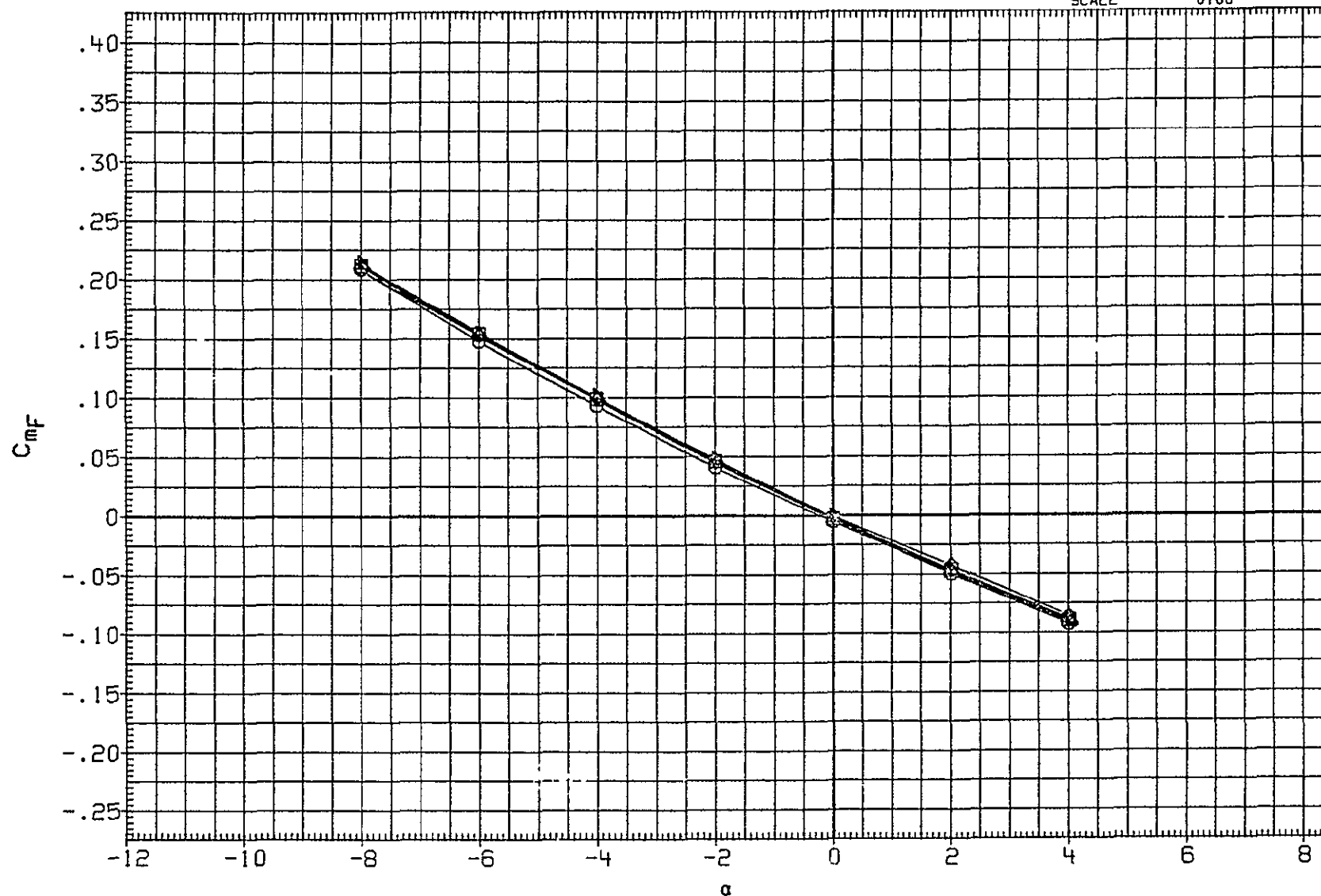


FIG. 4 LONGITUDINAL AERODYNAMIC CHARACTERISTICS

(A) MACH = 1.55

DATA SET	SYMBOL	CONFIGURATION	BETA	ELV-LI	ELV-LO	ELV-RI	ELV-RO	REFERENCE INFORMATION		
MJKB42	○	LARC UPWT 1152(1A94A) OTSAT130	-6.000	12.000	2.000	12.000	2.000	SREF	2690.0000	SQ.FT.
MJKB43	□	LARC UPWT 1152(1A94A) OTSAT130	-4.000	12.000	2.000	12.000	2.000	LREF	1290.3000	INCHES
MJKB44	◇	LARC UPWT 1152(1A94A) OTSAT130	.000	12.000	2.000	12.000	2.000	BREF	1290.3000	INCHES
MJKB45	△	LARC UPWT 1152(1A94A) OTSAT130	4.000	12.000	2.000	12.000	2.000	XMRP	976.0000	IN. XT
MJKB46	▽	LARC UPWT 1152(1A94A) OTSAT130	6.000	12.000	2.000	12.000	2.000	YMRP	.0000	IN. YT
								ZMRP	400.0000	IN. ZT
								SCALE	.0100	

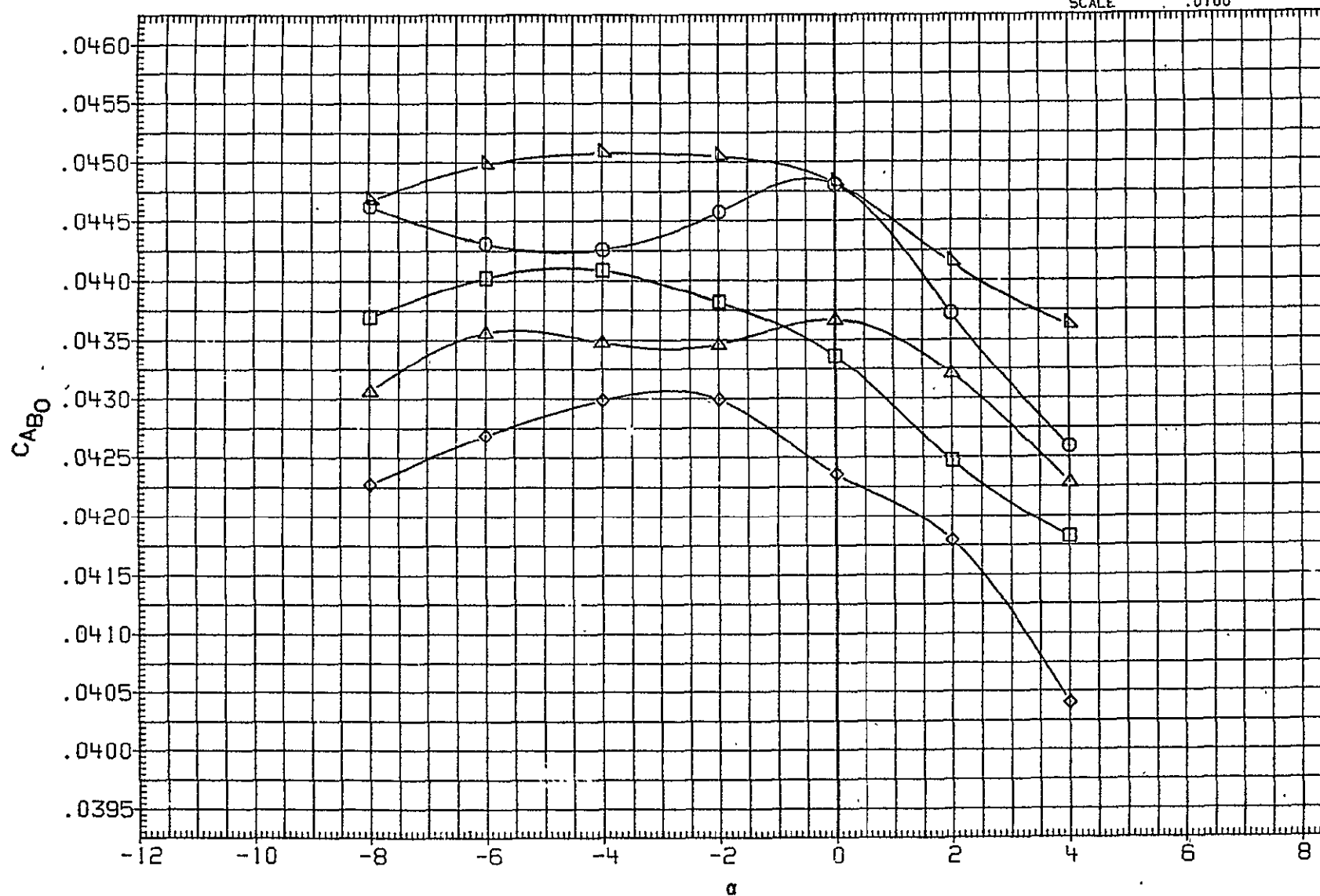


FIG. 4 LONGITUDINAL AERODYNAMIC CHARACTERISTICS

(A) MACH = 1.55

DATA SET	SYMBOL	CONFIGURATION	BETA	ELV-LI	ELV-LO	ELV-RI	ELV-RO	REFERENCE INFORMATION		
MJKB42	○	LARC UPWT 1152(1A94A) OTSAT130	-6.000	12.000	2.000	12.000	2.000	SREF	2690.0000	SQ.FT.
MJKB43	□	LARC UPWT 1152(1A94A) OTSAT130	-4.000	12.000	2.000	12.000	2.000	LREF	1290.3000	INCHES
MJKB44	◇	LARC UPWT 1152(1A94A) OTSAT130	.000	12.000	2.000	12.000	2.000	BREF	1290.3000	INCHES
MJKB45	△	LARC UPWT 1152(1A94A) OTSAT130	4.000	12.000	2.000	12.000	2.000	XMRP	976.0000	IN. YT
MJKB46	▽	LARC UPWT 1152(1A94A) OTSAT130	6.000	12.000	2.000	12.000	2.000	YMRP	.0000	IN. YT
								ZMRP	400.0000	IN. ZT
								SCALE	0100	

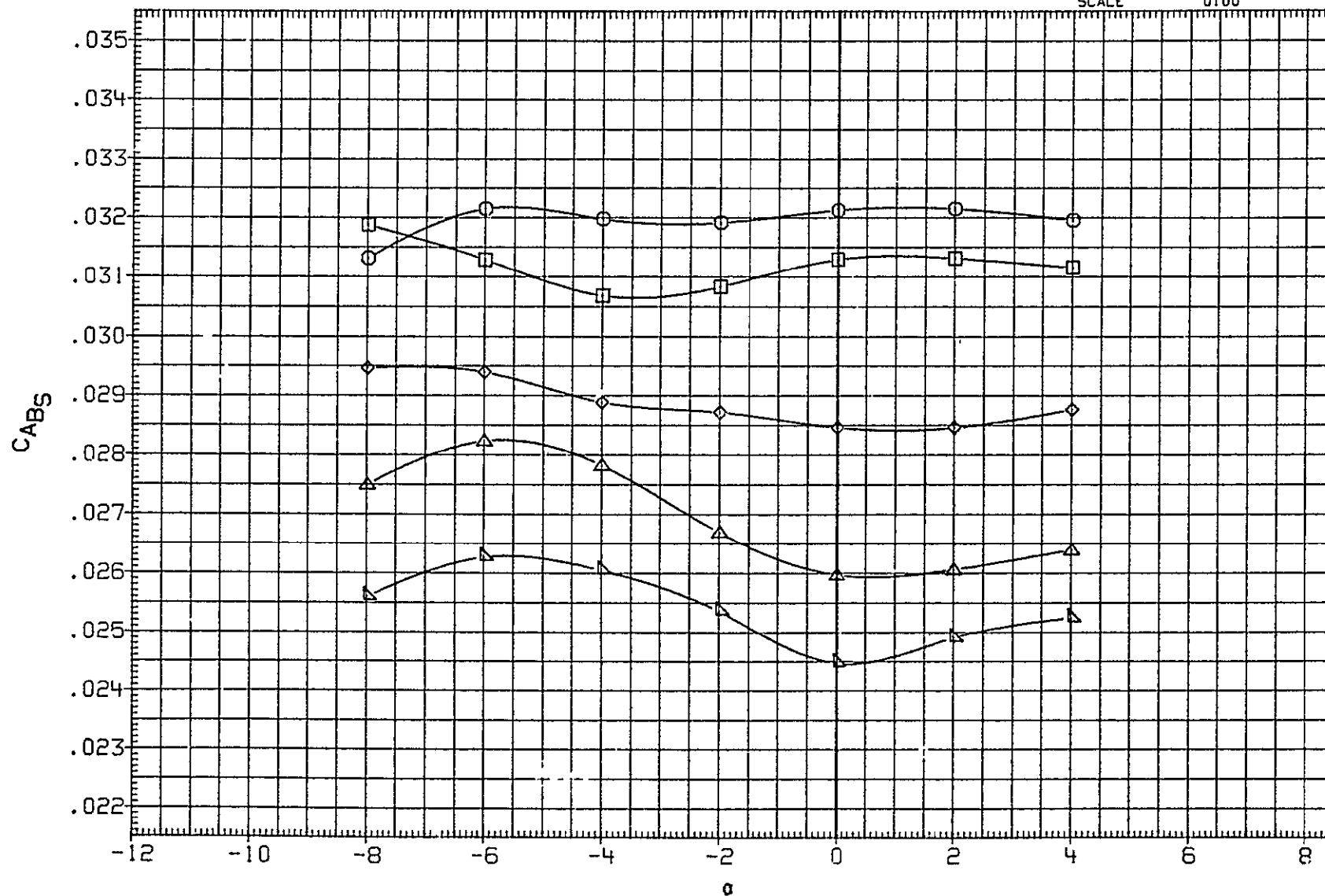


FIG. 4 LONGITUDINAL AERODYNAMIC CHARACTERISTICS

(A) MACH = 1.55

DATA SET SYMBOL	CONFIGURATION	BETA	ELV-LI	ELV-LO	ELV-RI	ELV-RO	REFERENCE INFORMATION		
MJKB42	○ LARC UPWT 1152(1A94A) OTSAT130	-6.000	12.000	2.000	12.000	2.000	SREF	2690.0000	50. FT.
MJKB43	□ LARC UPWT 1152(1A94A) OTSAT130	-4.000	12.000	2.000	12.000	2.000	LREF	1290.3000	INCHES
MJKB44	◇ LARC UPWT 1152(1A94A) OTSAT130	.000	12.000	2.000	12.000	2.000	BREF	1290.3000	INCHES
MJKB45	△ LARC UPWT 1152(1A94A) OTSAT130	4.000	12.000	2.000	12.000	2.000	XMRP	976.0000	IN. XT
MJKB46	▽ LARC UPWT 1152(1A94A) OTSAT130	6.000	12.000	2.000	12.000	2.000	YMRP	.0000	IN. YT
							ZMRP	400.0000	IN. ZT
							SCALE	.0100	

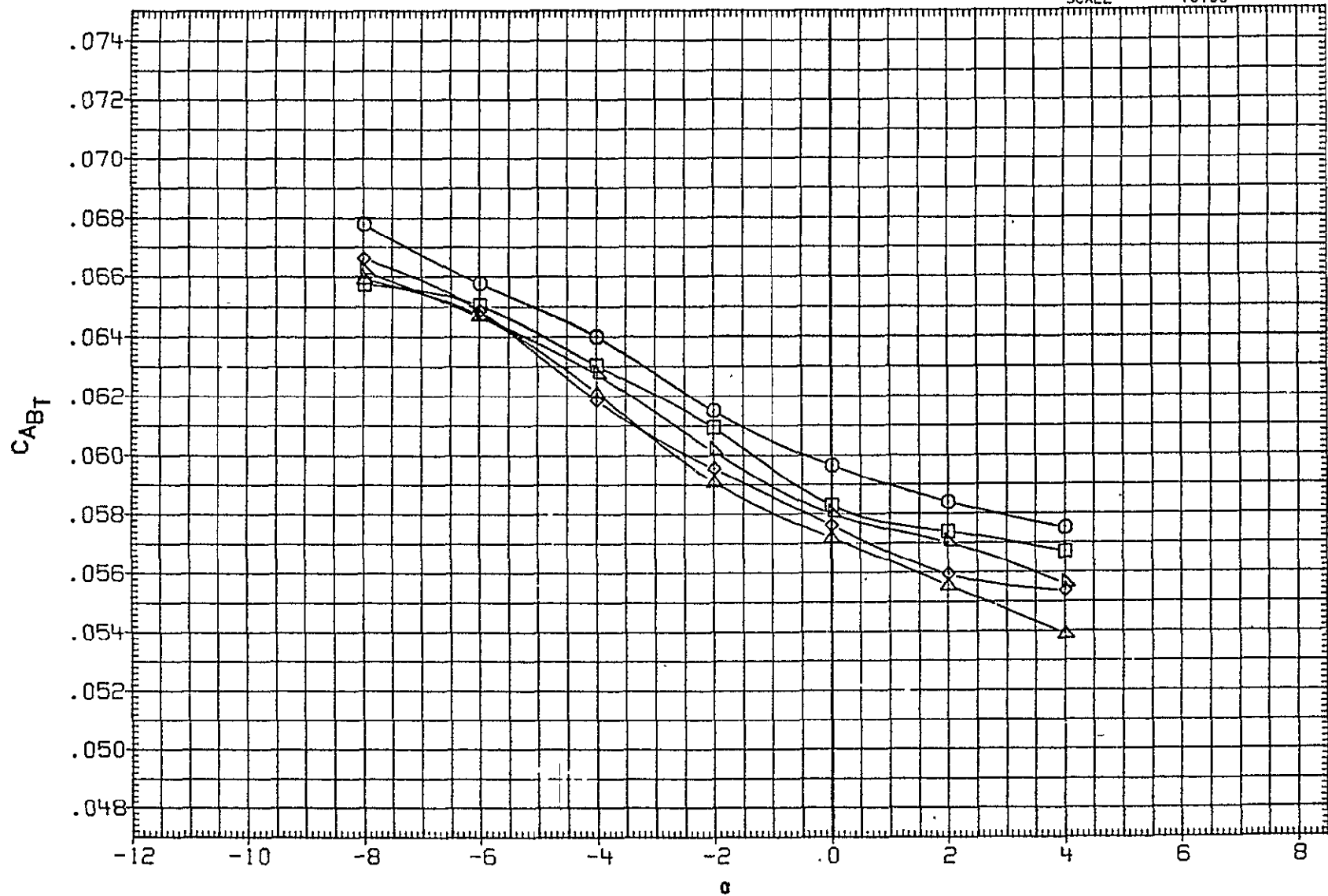


FIG. 4 LONGITUDINAL AERODYNAMIC CHARACTERISTICS

(A) MACH = 1.55

DATA SET	SYMBOL	CONFIGURATION	BETA	ELV-LI	ELV-LO	ELV-RI	ELV-RO	REFERENCE INFORMATION	
MJKB47	○	LARC UPWT 1152(1A94A) OTSAT130	-6.000	8.000	2.000	8.000	2.000	SREF	2690.0000 SQ.FT.
MJKB48	□	LARC UPWT 1152(1A94A) OTSAT130	-4.000	8.000	2.000	8.000	2.000	LREF	1290.3000 INCHES
MJKB49	◇	LARC UPWT 1152(1A94A) OTSAT130	.000	8.000	2.000	8.000	2.000	BREF	1290.3000 INCHES
MJKB50	△	LARC UPWT 1152(1A94A) OTSAT130	4.000	8.000	2.000	8.000	2.000	XMRP	976.0000 IN XT
MJKB51	▽	LARC UPWT 1152(1A94A) OTSAT130	6.000	8.000	2.000	8.000	2.000	YMRP	.0000 IN YT
								ZMRP	400.0000 IN ZT
								SCALE	0100

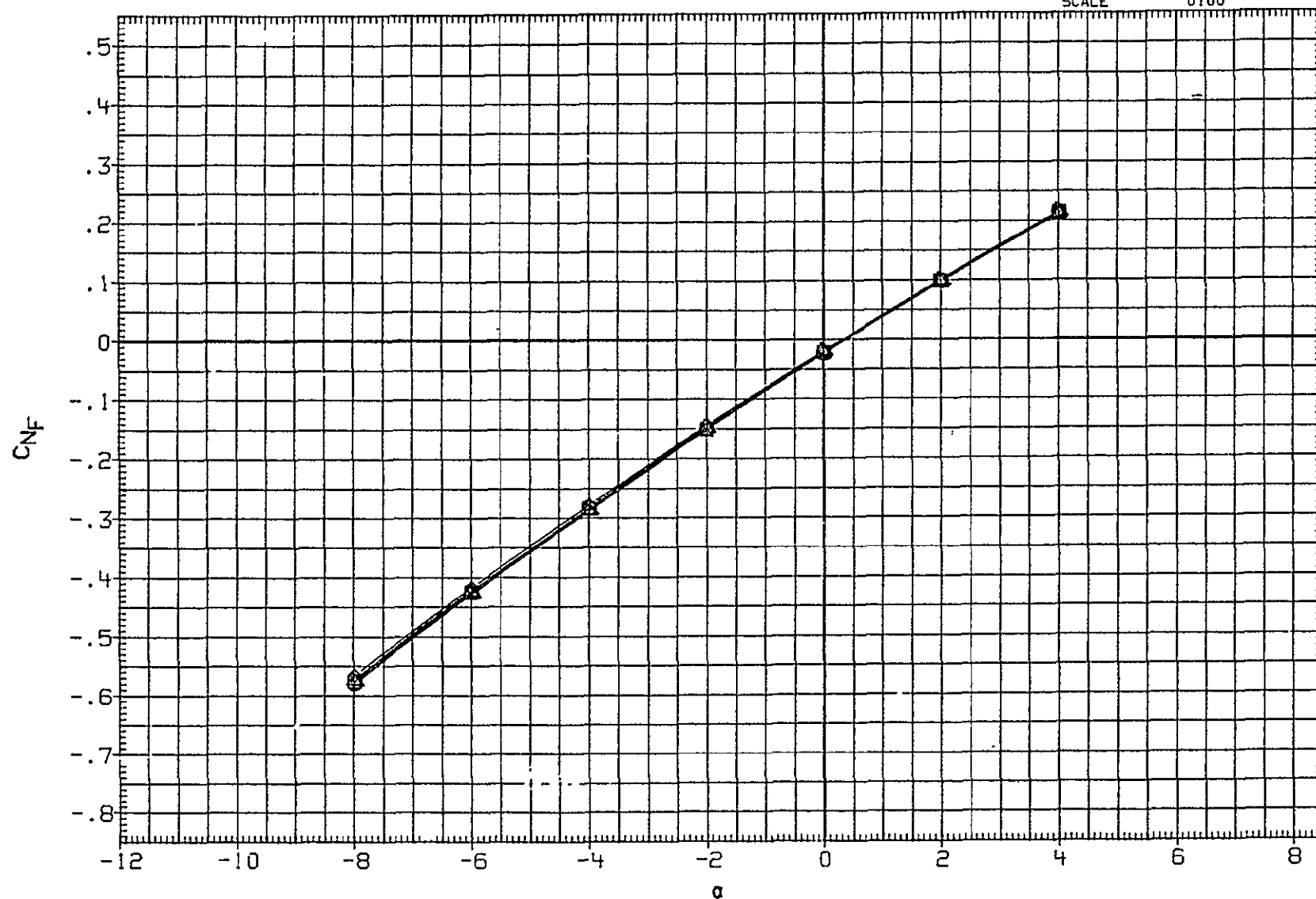


FIG. 4 LONGITUDINAL AERODYNAMIC CHARACTERISTICS

DATA SET SYMBOL	CONFIGURATION	BETA	ELV-L1	ELV-LO	ELV-R1	ELV-RO	REFERENCE INFORMATION		
MJKB47	○ LARC UPWT 1152(1A94A) OTSAT130	-6.000	8.000	2.000	8.000	2.000	SREF	2690.0000	50. FT.
MJKB48	□ LARC UPWT 1152(1A94A) OTSAT130	-4.000	8.000	2.000	8.000	2.000	LREF	1290.3000	INCHES
MJKB49	◇ LARC UPWT 1152(1A94A) OTSAT130	.000	8.000	2.000	8.000	2.000	BREF	1290.3000	INCHES
MJKB50	△ LARC UPWT 1152(1A94A) OTSAT130	4.000	8.000	2.000	8.000	2.000	XMRP	976.0000	IN. XT
MJKB51	▽ LARC UPWT 1152(1A94A) OTSAT130	6.000	8.000	2.000	8.000	2.000	YMRP	.0000	IN. YT
							ZMRP	400.0000	IN. ZT
							SCALE	.0100	

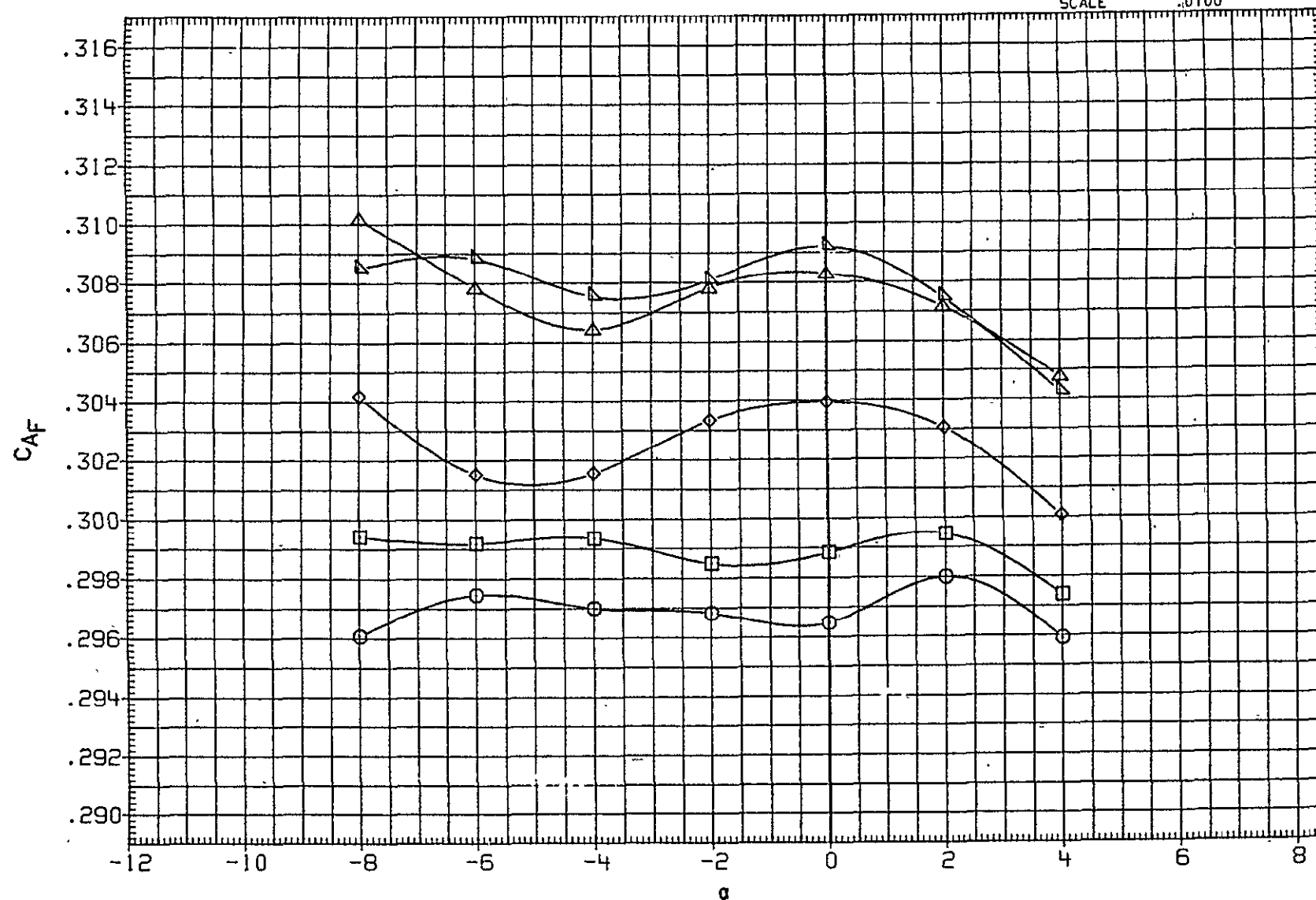


FIG. 4 LONGITUDINAL AERODYNAMIC CHARACTERISTICS

(A) MACH = 1.55

DATA SET	SYMBOL	CONFIGURATION	BETA	ELV-LI	ELV-LO	ELV-RI	ELV-RO	REFERENCE INFORMATION		
MJKB47	○	LARC UPWT 1152(1A94A) OTSAT130	-6.000	8.000	2.000	8.000	2.000	SREF	2690.0000	SQ.FT.
MJKB48	□	LARC UPWT 1152(1A94A) OTSAT130	-4.000	8.000	2.000	8.000	2.000	LREF	1290.3000	INCHES
MJKB49	◇	LARC UPWT 1152(1A94A) OTSAT130	.000	8.000	2.000	8.000	2.000	BREF	1290.3000	INCHES
MJKB50	△	LARC UPWT 1152(1A94A) OTSAT130	4.000	8.000	2.000	8.000	2.000	XMRP	976.0000	IN. XT
MJKB51	▽	LARC UPWT 1152(1A94A) OTSAT130	6.000	8.000	2.000	8.000	2.000	YMRP	.0000	IN. YT
								ZMPP	400.0000	IN. ZT
								SCALE	0100	

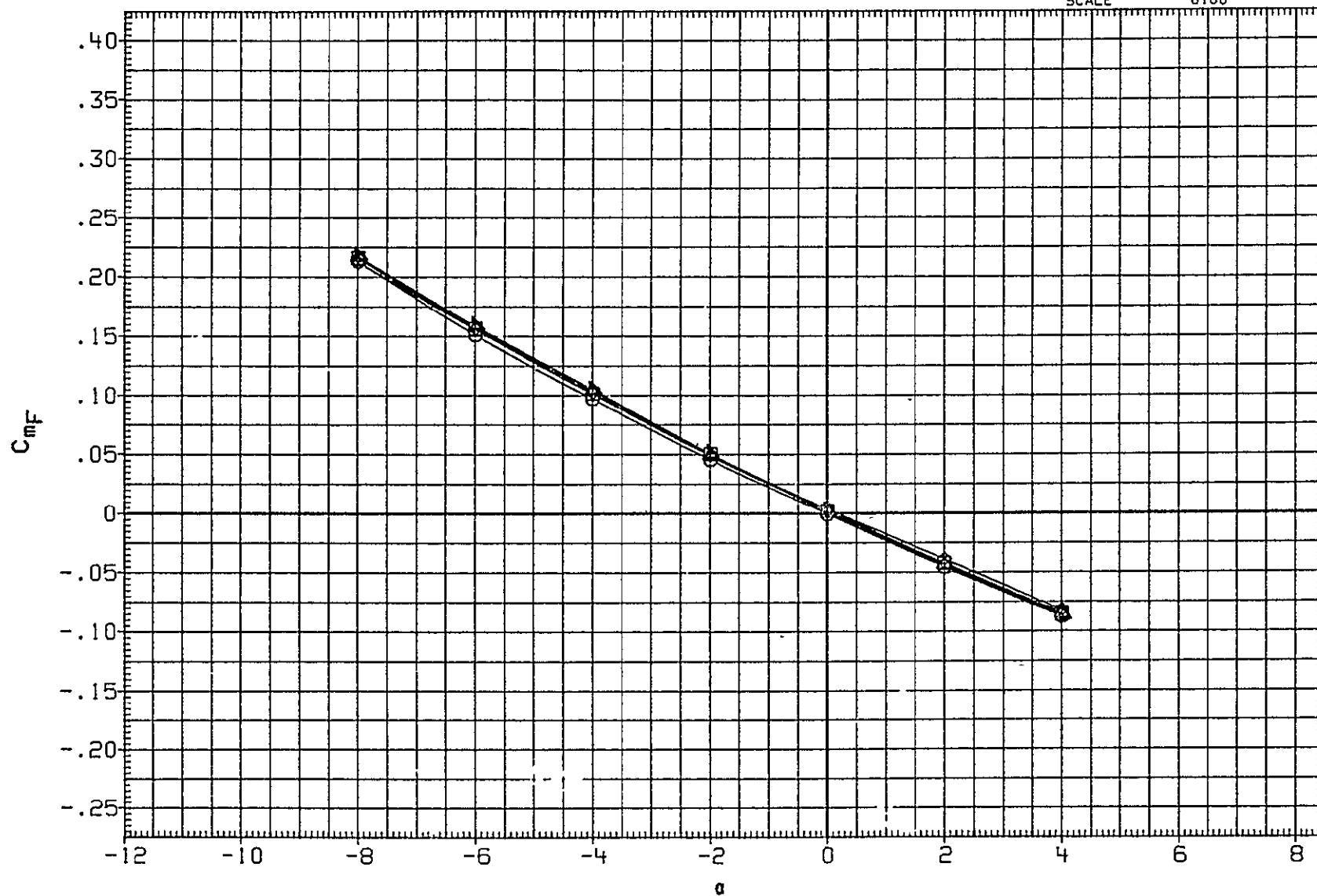


FIG. 4 LONGITUDINAL AERODYNAMIC CHARACTERISTICS

DATA SET	SYMBOL	CONFIGURATION	BETA	ELV-LI	ELV-LO	ELV-RI	ELV-RO	REFERENCE INFORMATION		
MJKB47	○	LARC UPWT 1152(1A94A) OTSAT130	-6.000	8.000	2.000	8.000	2.000	SREF	2690.0000	SQ.FT.
MJKB48	□	LARC UPWT 1152(1A94A) OTSAT130	-4.000	8.000	2.000	8.000	2.000	LREF	1290.3000	INCHES
MJKB49	◇	LARC UPWT 1152(1A94A) OTSAT130	.000	8.000	2.000	8.000	2.000	BREF	1290.3000	INCHES
MJKB50	△	LARC UPWT 1152(1A94A) OTSAT130	4.000	8.000	2.000	8.000	2.000	XMRP	976.0000	IN. XT
MJKB51	▽	LARC UPWT 1152(1A94A) OTSAT130	6.000	8.000	2.000	8.000	2.000	YMRP	.0000	IN. YT
								ZMRP	400.0000	IN. ZT
								SCALE	.0100	

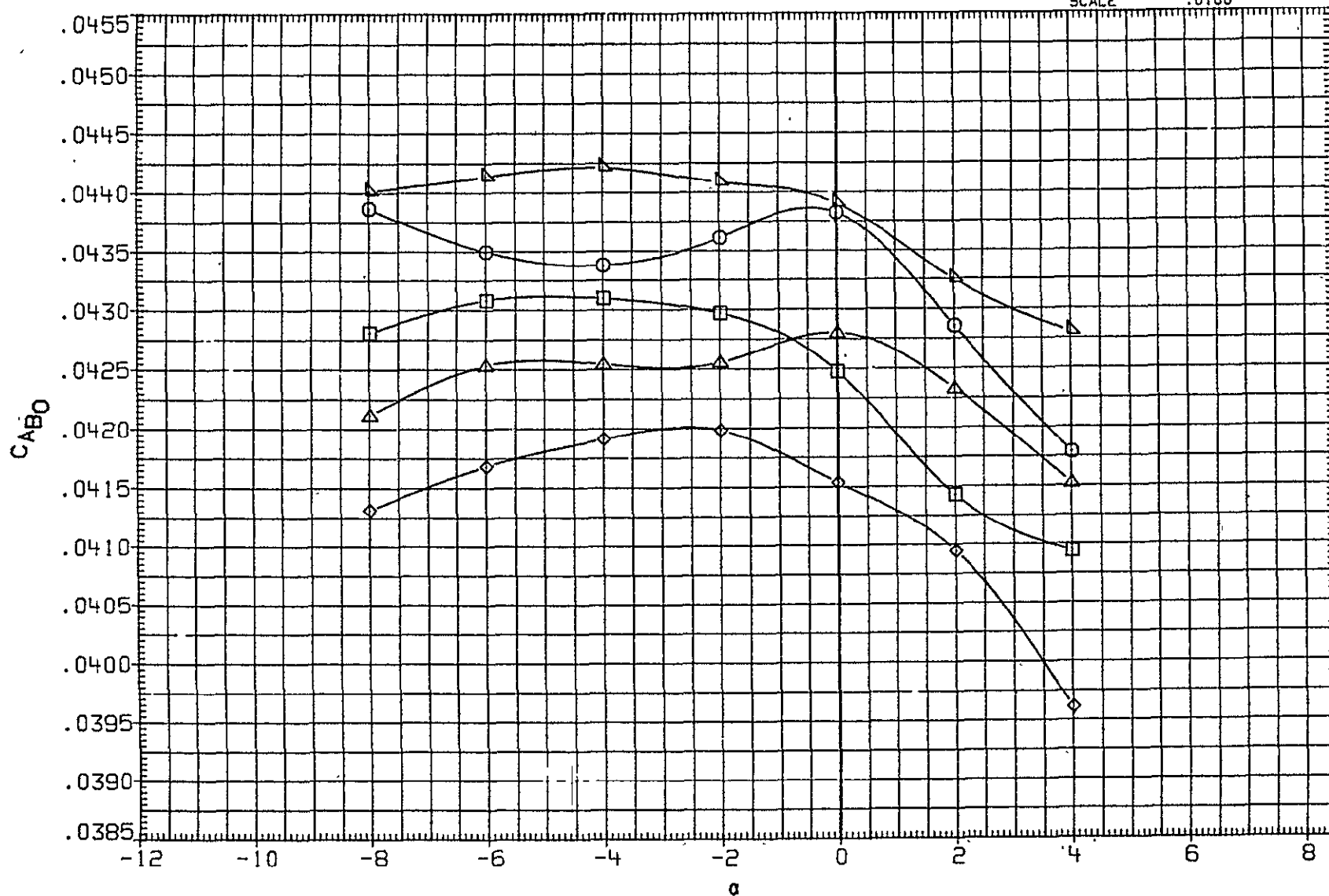


FIG. 4 LONGITUDINAL AERODYNAMIC CHARACTERISTICS

(A) MACH = 1.55

DATA SET	SYMBOL	CONFIGURATION	BETA	ELV-LI	ELV-LO	ELV-RI	ELV-RO	REFERENCE INFORMATION		
MJKB47	○	LARC UPWT 1152(1A94A) OTSAT130	-6.000	8.000	2.000	8.000	2.000	SREF	2690.0000	SQ.FT
MJKB48	□	LARC UPWT 1152(1A94A) OTSAT130	-4.000	8.000	2.000	8.000	2.000	LREF	1290.3000	INCHES
MJKB49	◇	LARC UPWT 1152(1A94A) OTSAT130	.000	8.000	2.000	8.000	2.000	BREF	1290.3000	INCHES
MJKB50	△	LARC UPWT 1152(1A94A) OTSAT130	4.000	8.000	2.000	8.000	2.000	XMRP	976.0000	IN. XT
MJKB51	▽	LARC UPWT 1152(1A94A) OTSAT130	6.000	8.000	2.000	8.000	2.000	YMRP	.0000	IN. YT
								ZMRP	400.0000	IN. ZT
								SCALE	.0100	

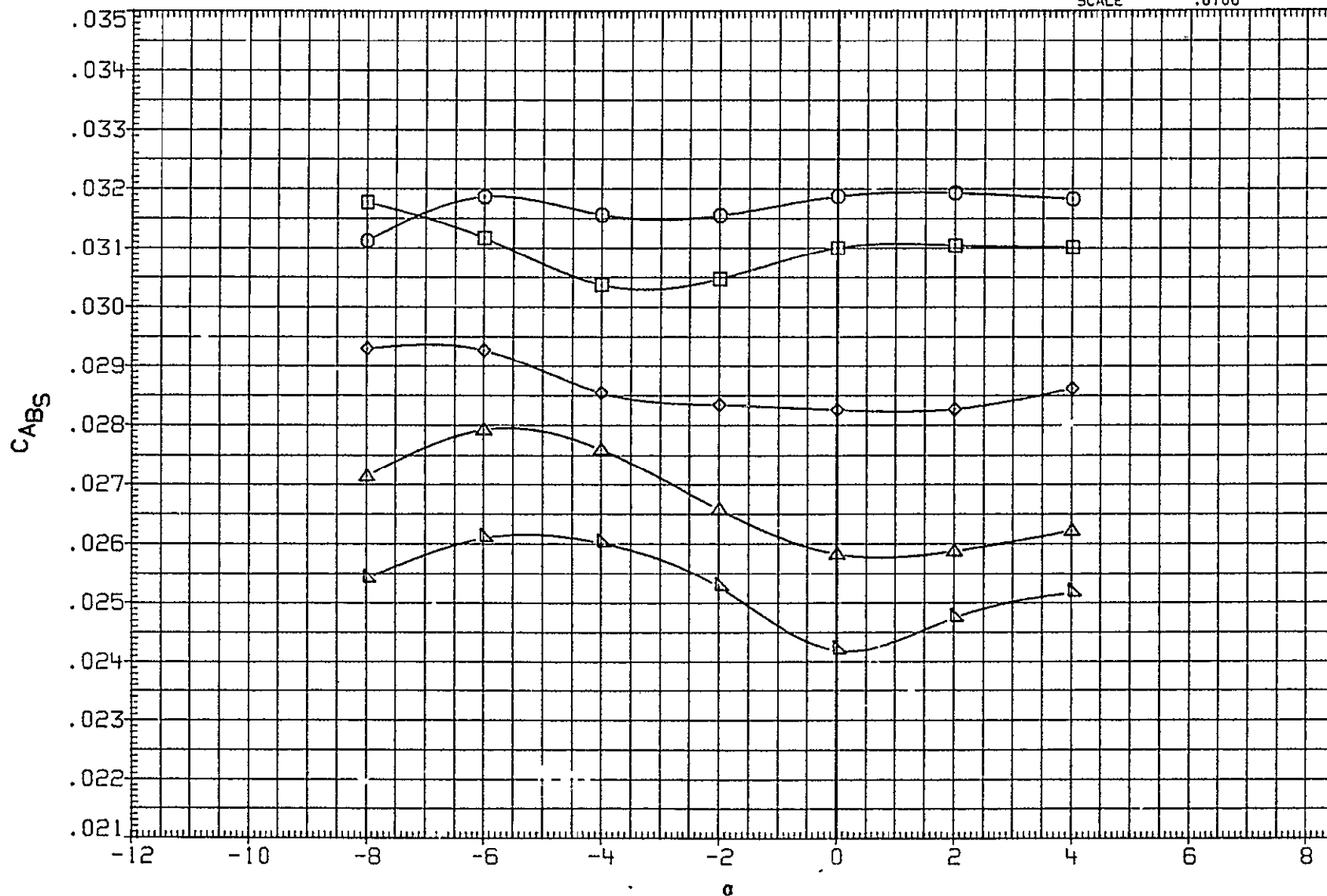


FIG. 4 LONGITUDINAL AERODYNAMIC CHARACTERISTICS

DATA SET	SYMBOL	CONFIGURATION	BETA	ELV-LI	ELV-LO	ELV-RI	ELV-RO	REFERENCE INFORMATION		
MJKB47	○	LARC UPWT 1152(1A94A) OTSAT130	-6.000	8.000	2.000	8.000	2.000	SREF	2690.0000	SQ.FT.
MJKB48	□	LARC UPWT 1152(1A94A) OTSAT130	-4.000	8.000	2.000	8.000	2.000	LREF	1290.3000	INCHES
MJKB49	◇	LARC UPWT 1152(1A94A) OTSAT130	.000	8.000	2.000	8.000	2.000	BREF	1290.3000	INCHES
MJKB50	△	LARC UPWT 1152(1A94A) OTSAT130	4.000	8.000	2.000	8.000	2.000	XMRP	976.0000	IN. XT
MJKB51	▽	LARC UPWT 1152(1A94A) OTSAT130	6.000	8.000	2.000	8.000	2.000	YMRP	.0000	IN. YT
								ZMRP	400.0000	IN. ZT
								SCALE	.0100	

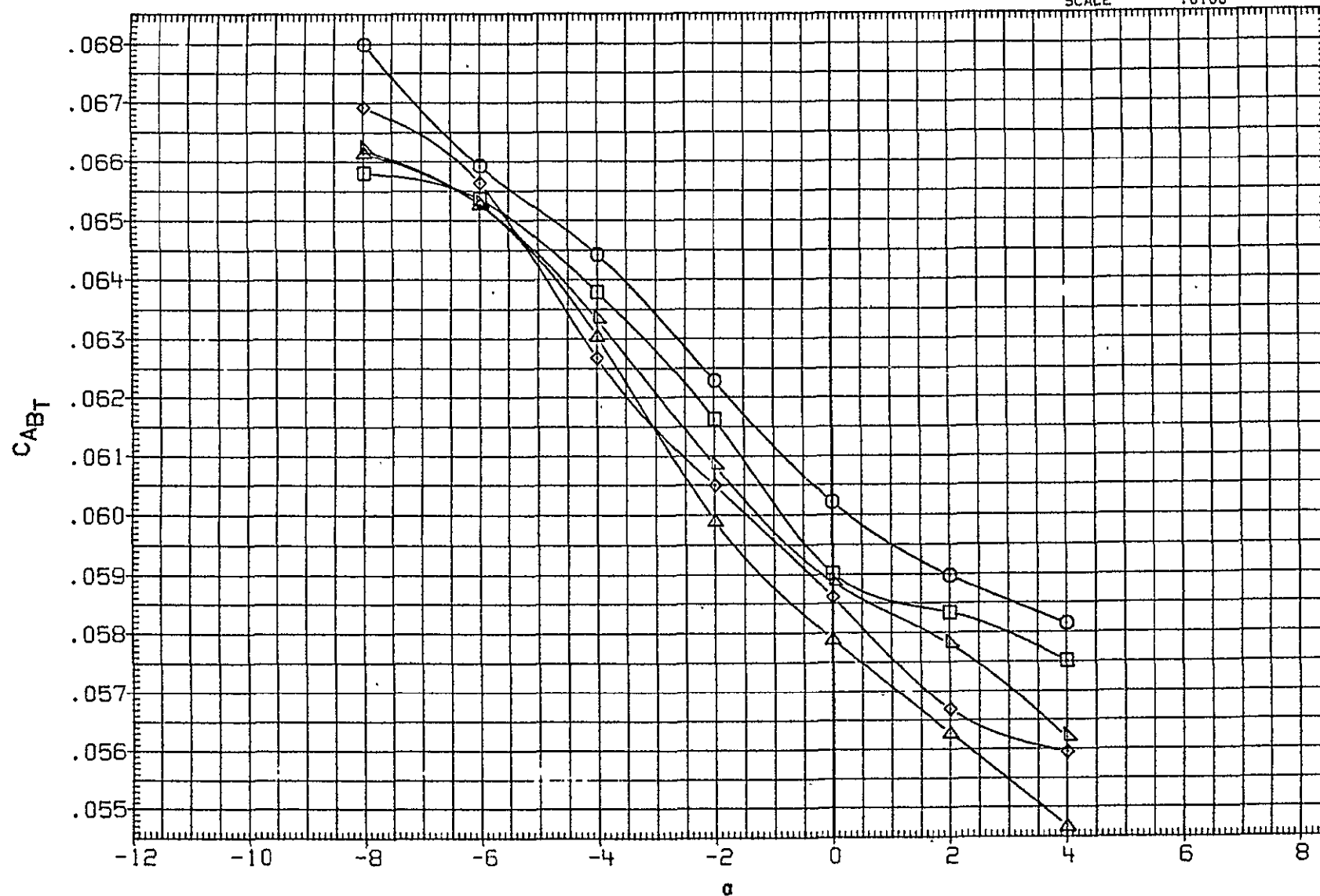


FIG. 4 LONGITUDINAL AERODYNAMIC CHARACTERISTICS

(A) MACH = 1.55

DATA SET	SYMBOL	CONFIGURATION	BETA	ELV-LI	ELV-LO	ELV-RI	ELV-RO	REFERENCE INFORMATION		
MJB52	○	LARC UPWT 1152(1A94A) OTSAT130	-6 000	8.000	-5 000	8.000	-5.000	SREF	2690 0000	SQ.FT.
MJB53	□	LARC UPWT 1152(1A94A) OTSAT130	-4 000	8.000	-5 000	8.000	-5 000	LREF	1290.3000	INCHES
MJB54	◇	LARC UPWT 1152(1A94A) OTSAT130	.000	8.000	-5.000	8.000	-5.000	BREF	1290 3000	INCHES
MJB55	△	LARC UPWT 1152(1A94A) OTSAT130	4 000	8 000	-5 000	8.000	-5.000	XMRP	976.0000	IN. XT
MJB56	▽	LARC UPWT 1152(1A94A) OTSAT130	6 000	8 000	-5 000	8.000	-5 000	YMRP	0000	IN. YT
								ZMRP	400 0000	IN. ZT
								SCALE	0100	

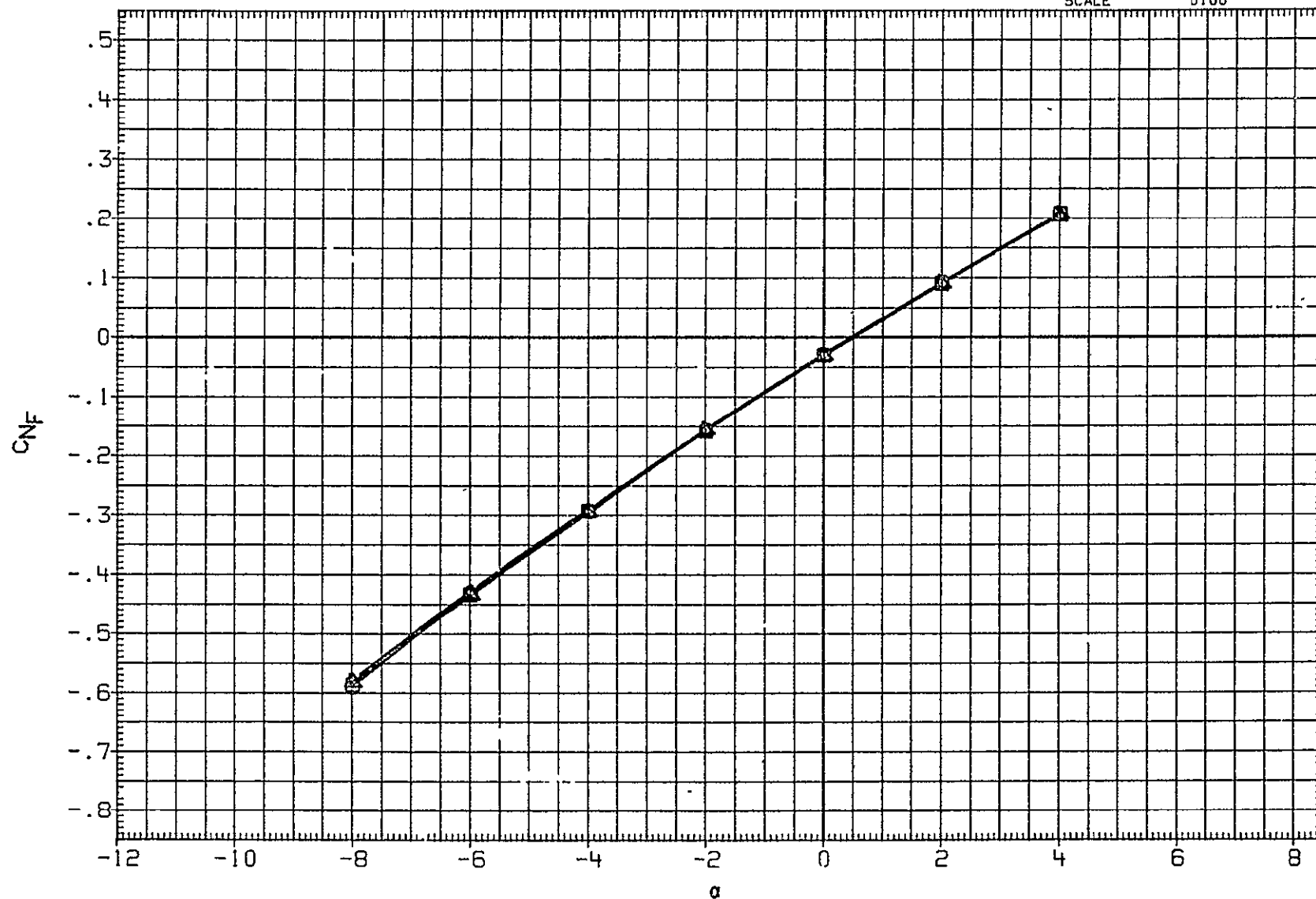


FIG. 4 LONGITUDINAL AERODYNAMIC CHARACTERISTICS

DATA SET	SYMBOL	CONFIGURATION	BETA	ELV-LI	ELV-LO	ELV-RI	ELV-RO	REFERENCE INFORMATION		
MJKB52	○	LARC UPWT 1152(1A94A) OTSAT130	-6.000	8.000	-5.000	8.000	-5.000	SREF	2690.0000	SQ.FT.
MJKB53	□	LARC UPWT 1152(1A94A) OTSAT130	-4.000	8.000	-5.000	8.000	-5.000	LREF	1290.3000	INCHES
MJKB54	◇	LARC UPWT 1152(1A94A) OTSAT130	.000	8.000	-5.000	8.000	-5.000	BREF	1290.3000	INCHES
MJKB55	△	LARC UPWT 1152(1A94A) OTSAT130	4.000	8.000	-5.000	8.000	-5.000	XMRP	976.0000	IN. XT
MJKB56	▽	LARC UPWT 1152(1A94A) OTSAT130	6.000	8.000	-5.000	8.000	-5.000	YMRP	.0000	IN. YT
								ZMRP	400.0000	IN. ZT
								SCALE	.0100	

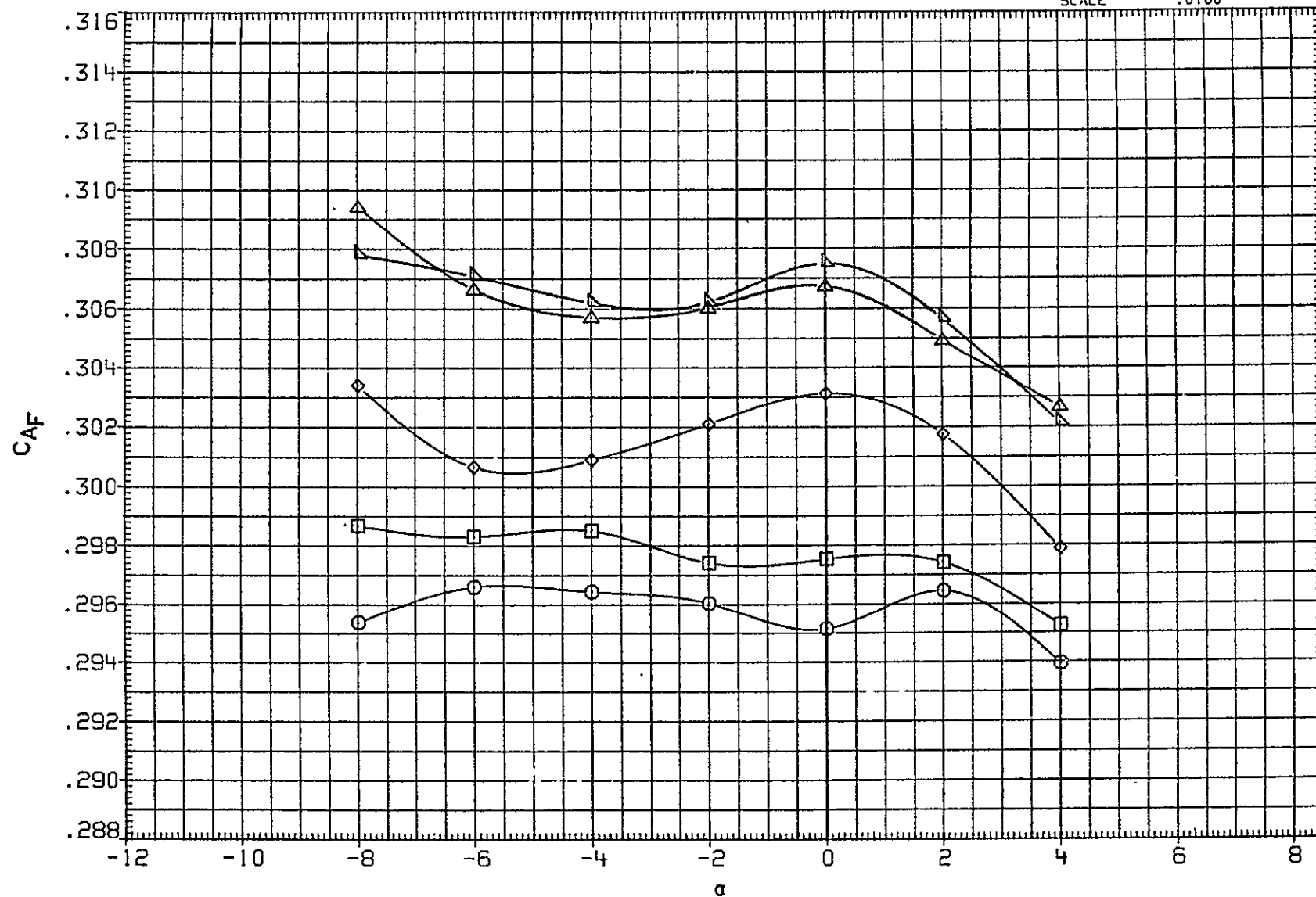


FIG. 4 LONGITUDINAL AERODYNAMIC CHARACTERISTICS

(A) MACH = 1.55

DATA SET	SYMBOL	CONFIGURATION	BETA	ELV-LI	ELV-LO	ELV-RI	ELV-RO	*REFERENCE INFORMATION		
MJKB52	○	LARC UPWT 1152(1A94A) OTSAT130	-6.000	8.000	-5.000	8.000	-5.000	SREF	2690.0000	SQ FT.
MJKB53	□	LARC UPWT 1152(1A94A) OTSAT130	-4.000	8.000	-5.000	8.000	-5.000	LREF	1290.3000	INCHES
MJKB54	◇	LARC UPWT 1152(1A94A) OTSAT130	0.000	8.000	-5.000	8.000	-5.000	BREF	976.0000	IN. XT
MJKB55	△	LARC UPWT 1152(1A94A) OTSAT130	4.000	8.000	-5.000	8.000	-5.000	XMRP	.0000	IN. YT
MJKB56	▽	LARC UPWT 1152(1A94A) OTSAT130	6.000	8.000	-5.000	8.000	-5.000	YMRP	400.0000	IN. ZT
									ZMRP	.0100
									SCALE	.0100

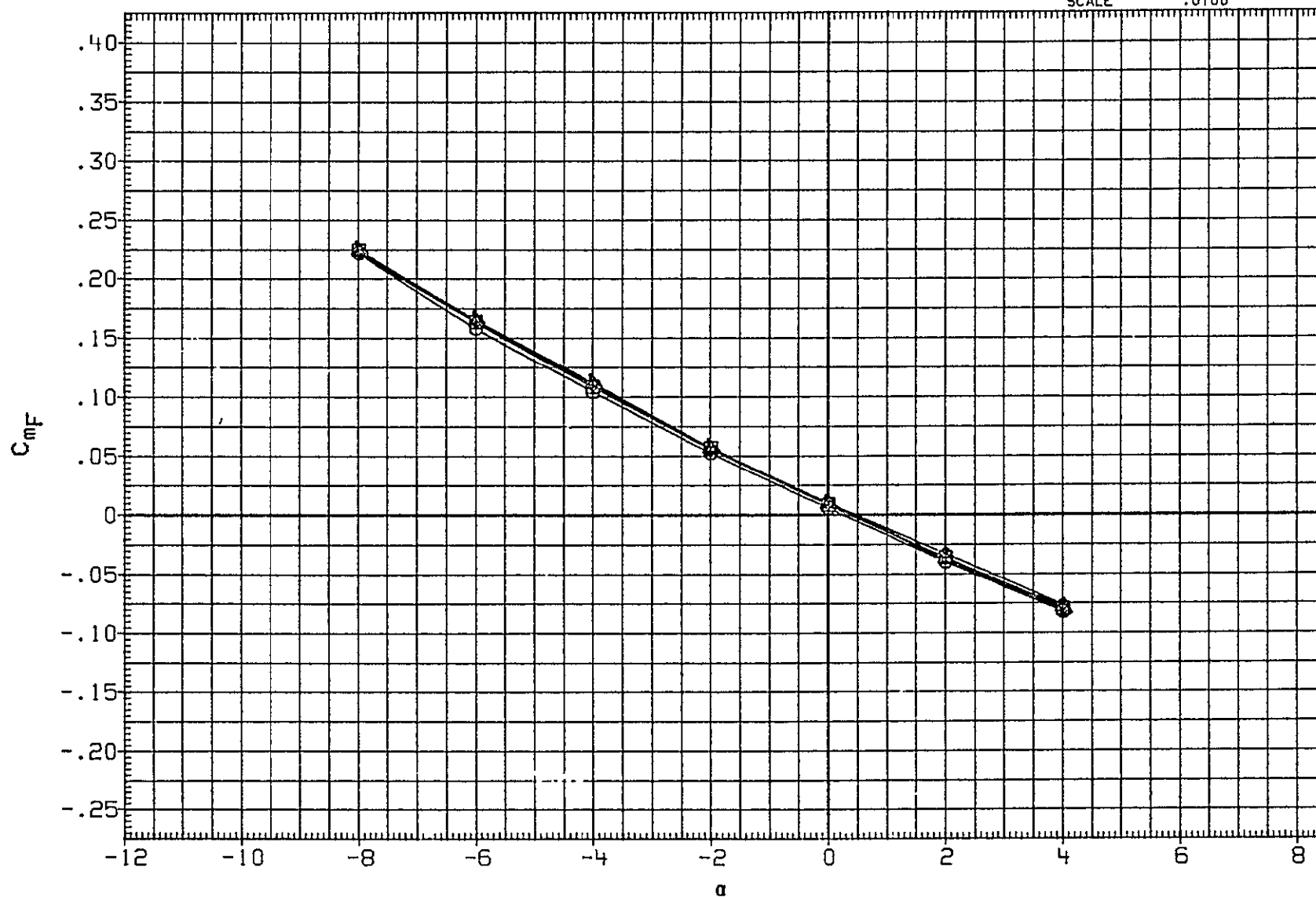


FIG. 4 LONGITUDINAL AERODYNAMIC CHARACTERISTICS

DATA SET SYMBOL		CONFIGURATION	BETA	ELV-LI	ELV-LO	ELV-RI	ELV-RO	REFERENCE INFORMATION		
MJKB52	○	LARC UPWT 1152(1A94A) OTSAT130	-6.000	8.000	-5.000	8.000	-5.000	SREF	2690.0000	SQ.FT.
MJKB53	□	LARC UPWT 1152(1A94A) OTSAT130	-4.000	8.000	-5.000	8.000	-5.000	LREF	1290.3000	INCHES
MJKB54	◇	LARC UPWT 1152(1A94A) OTSAT130	.000	8.000	-5.000	8.000	-5.000	BREF	1290.3000	INCHES
MJKB55	△	LARC UPWT 1152(1A94A) OTSAT130	4.000	8.000	-5.000	8.000	-5.000	XMRP	976.0000	IN. XT
MJKB56	▽	LARC UPWT 1152(1A94A) OTSAT130	6.000	8.000	-5.000	8.000	-5.000	YMRP	.0000	IN. YT
								ZMRP	400.0000	IN. ZT
								SCALE	.0100	

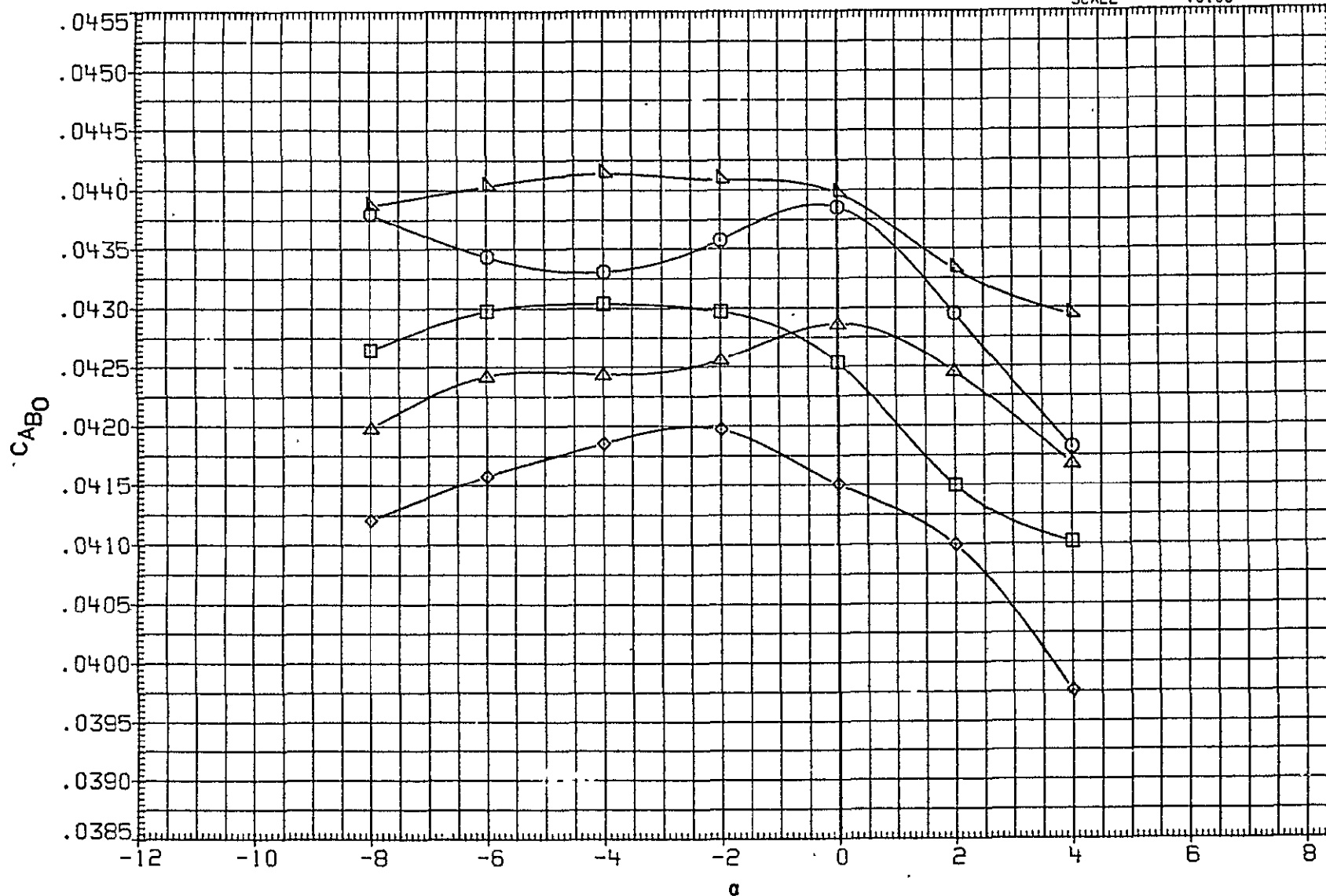


FIG. 4 LONGITUDINAL AERODYNAMIC CHARACTERISTICS

(A) MACH = 1.55

DATA SET	SYMBOL	CONFIGURATION	BETA	ELV-LI	ELV-LO	ELV-RI	ELV-RO	REFERENCE INFORMATION		
MJKB52	○	LARC UPWT 1152(1A94A) OTSAT130	-6.000	8.000	-5.000	8.000	-5.000	SREF	2690.0000	SQ.FT.
MJKB53	□	LARC UPWT 1152(1A94A) OTSAT130	-4.000	8.000	-5.000	8.000	-5.000	LREF	1290.3000	INCHES
MJKB54	◇	LARC UPWT 1152(1A94A) OTSAT130	.000	8.000	-5.000	8.000	-5.000	BREF	1290.3000	INCHES
MJKB55	△	LARC UPWT 1152(1A94A) OTSAT130	4.000	8.000	-5.000	8.000	-5.000	XMRP	976.0000	IN. XT
MJKB56	▽	LARC UPWT 1152(1A94A) OTSAT130	6.000	8.000	-5.000	8.000	-5.000	YMRP	.0000	IN. YT
								ZMRP	400.0000	IN. ZT
								SCALE	0100	

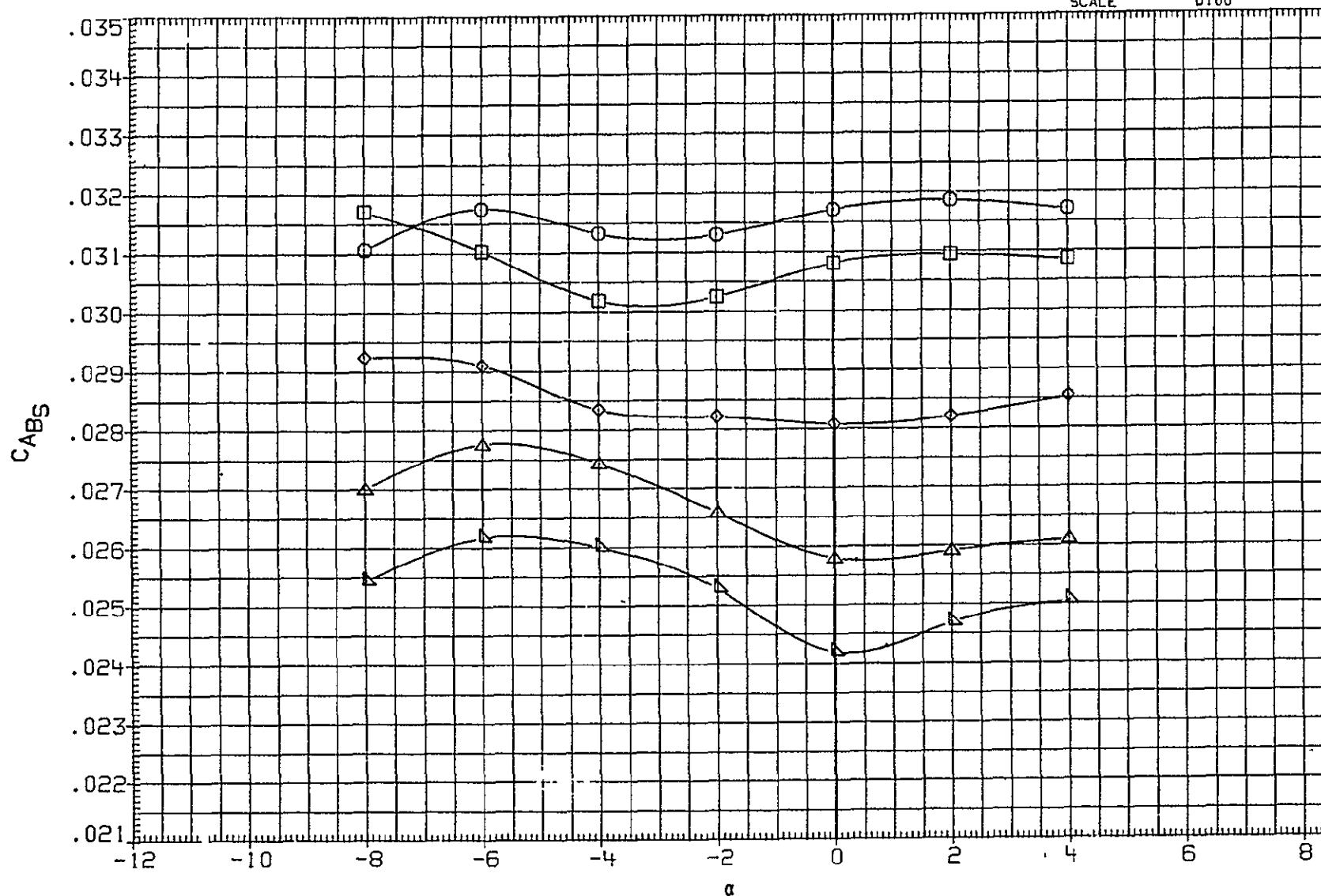


FIG. 4 LONGITUDINAL AERODYNAMIC CHARACTERISTICS

(A) MACH = 1.55

DATA SET	SYMBOL	CONFIGURATION	BETA	ELV-LI	ELV-LO	ELV-RI	ELV-RO	REFERENCE INFORMATION		
MJKB52	○	LARC UPWT 1152(1A94A) OTSAT130	-6.000	8.000	-5.000	8.000	-5.000	SREF	2690.0000	50. FT.
MJKB53	□	LARC UPWT 1152(1A94A) OTSAT130	-4.000	8.000	-5.000	8.000	-5.000	LREF	1290.3000	INCHES
MJKB54	◇	LARC UPWT 1152(1A94A) OTSAT130	.000	8.000	-5.000	8.000	-5.000	BREF	1290.3000	INCHES
MJKB55	△	LARC UPWT 1152(1A94A) OTSAT130	4.000	8.000	-5.000	8.000	-5.000	XMRP	976.0000	IN. XT
MJKB56	▽	LARC UPWT 1152(1A94A) OTSAT130	6.000	8.000	-5.000	8.000	-5.000	YMRP	.0000	IN. YT
								ZMRP	400.0000	IN. ZT
								SCALE	.0100	

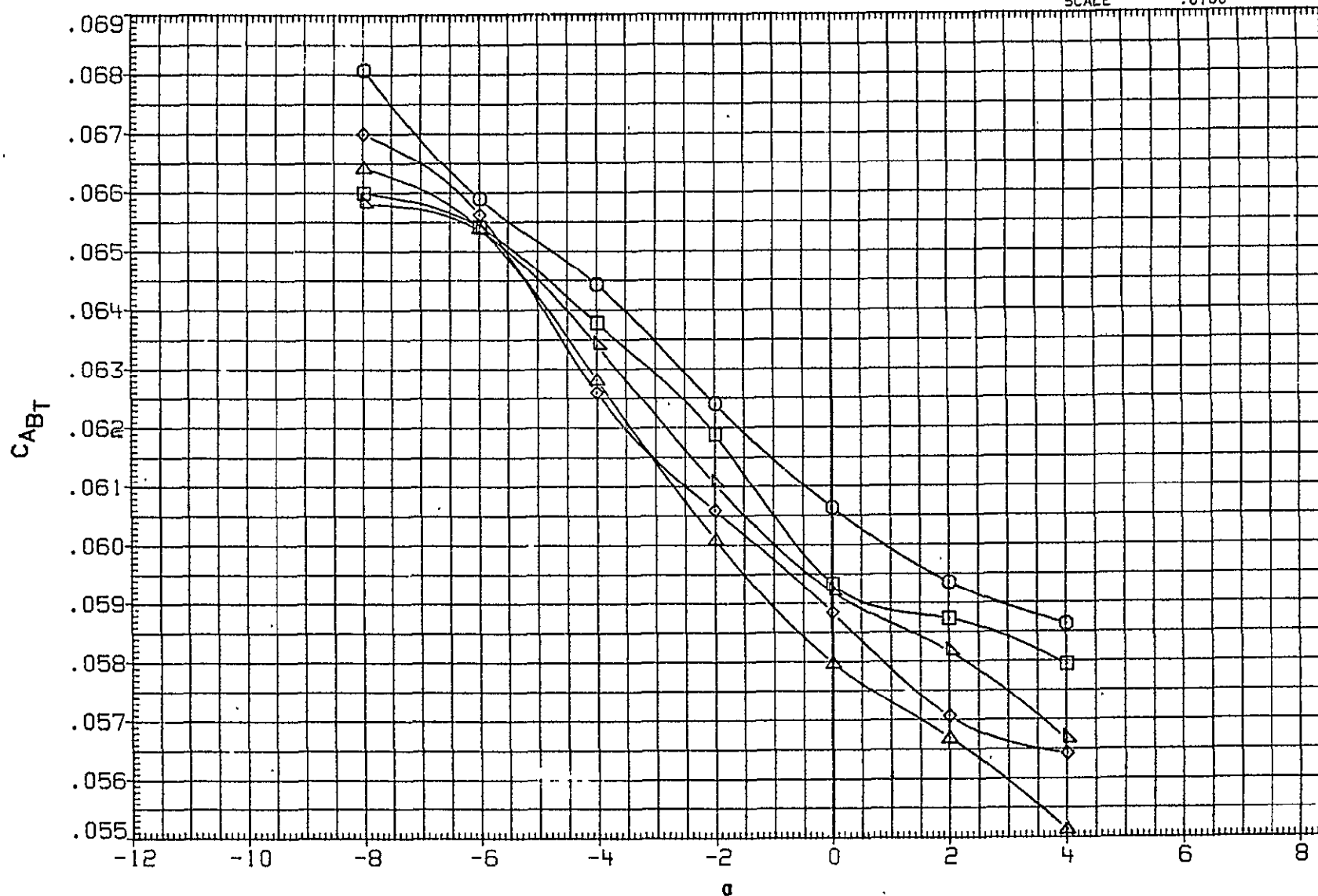


FIG. 4 LONGITUDINAL AERODYNAMIC CHARACTERISTICS

(A) MACH = 1.55

DATA SET	SYMBOL	CONFIGURATION	BETA	ELV-LI	ELV-LO	ELV-RI	ELV-RO	REFERENCE INFORMATION		
MJK857	○	LARC UPWT 1152(1A94A) OTSAT130	-6.000	8.000	-10.000	8.000	-10.000	SREF	2690.0000	SQ FT.
MJK858	□	LARC UPWT 1152(1A94A) OTSAT130	-4.000	8.000	-10.000	8.000	-10.000	LREF	1290.3000	INCHES
MJK859	◇	LARC UPWT 1152(1A94A) OTSAT130	.000	8.000	-10.000	8.000	-10.000	BREF	1290.3000	INCHES
MJK860	△	LARC UPWT 1152(1A94A) OTSAT130	4.000	8.000	-10.000	8.000	-10.000	XMRP	976.0000	IN. XT
MJK861	▽	LARC UPWT 1152(1A94A) OTSAT130	6.000	8.000	-10.000	8.000	-10.000	YMRP	.0000	IN. YT
								ZMRP	400.0000	IN. ZT
								SCALE	0100	

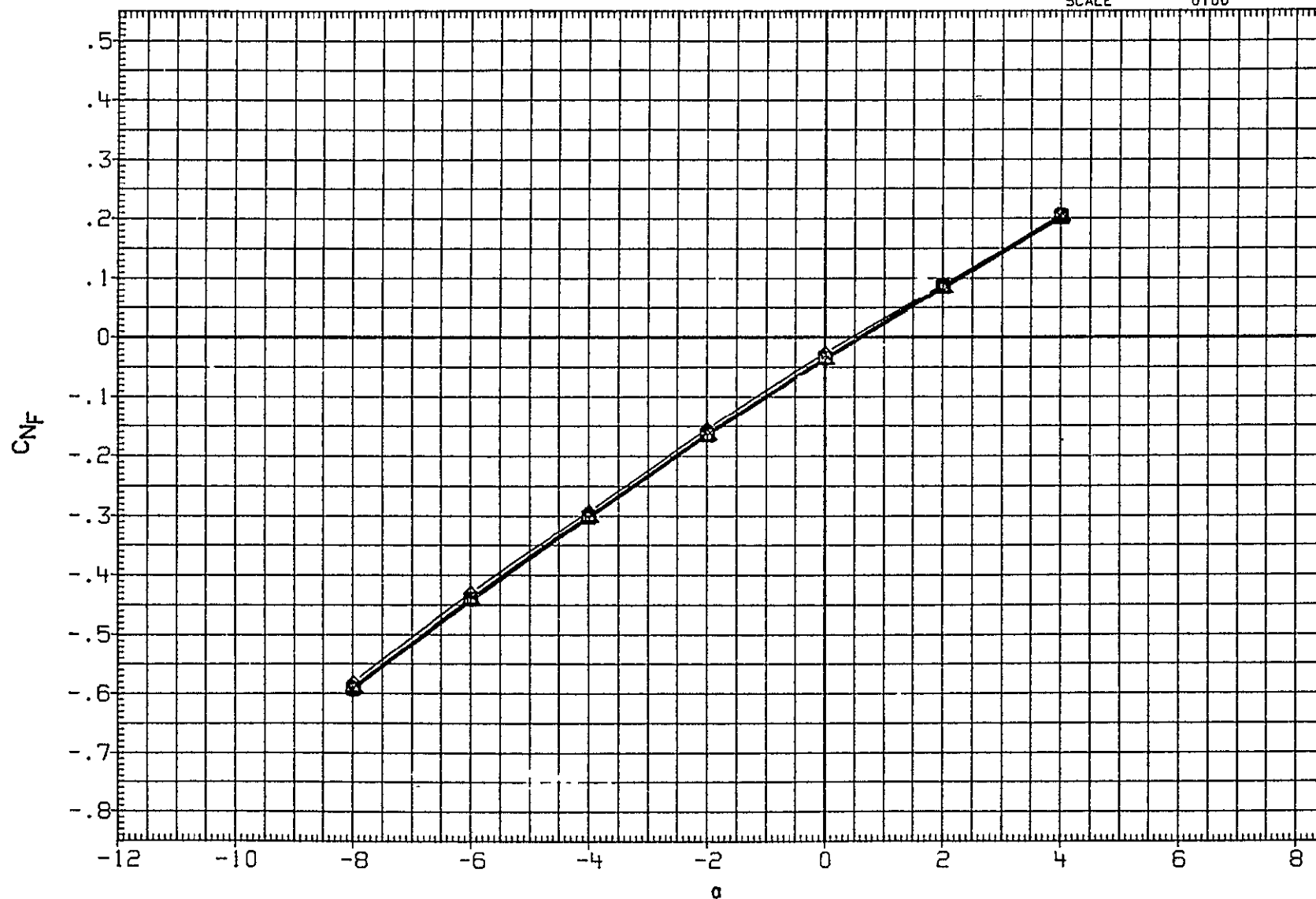


FIG. 4 LONGITUDINAL AERODYNAMIC CHARACTERISTICS

DATA SET SYMBOL	CONFIGURATION	BETA	ELV-LI	ELV-LO	ELV-RI	ELV-RO	REFERENCE INFORMATION		
MJKB57	○ LARC UPWT 1152(1A94A) OTSAT130	-6.000	8.000	-10.000	8.000	-10.000	SREF	2690.0000	SQ.FT.
MJKB58	□ LARC UPWT 1152(1A94A) OTSAT130	-4.000	8.000	-10.000	8.000	-10.000	LREF	1290.3000	INCHES
MJKB59	◇ LARC UPWT 1152(1A94A) OTSAT130	.000	8.000	-10.000	8.000	-10.000	BREF	1290.3000	INCHES
MJKB60	△ LARC UPWT 1152(1A94A) OTSAT130	4.000	8.000	-10.000	8.000	-10.000	XMRP	976.0000	IN. XT
MJKB61	▽ LARC UPWT 1152(1A94A) OTSAT130	6.000	8.000	-10.000	8.000	-10.000	YMRP	.0000	IN. YT
							ZMRP	400.0000	IN. ZT
							SCALE	.0100	

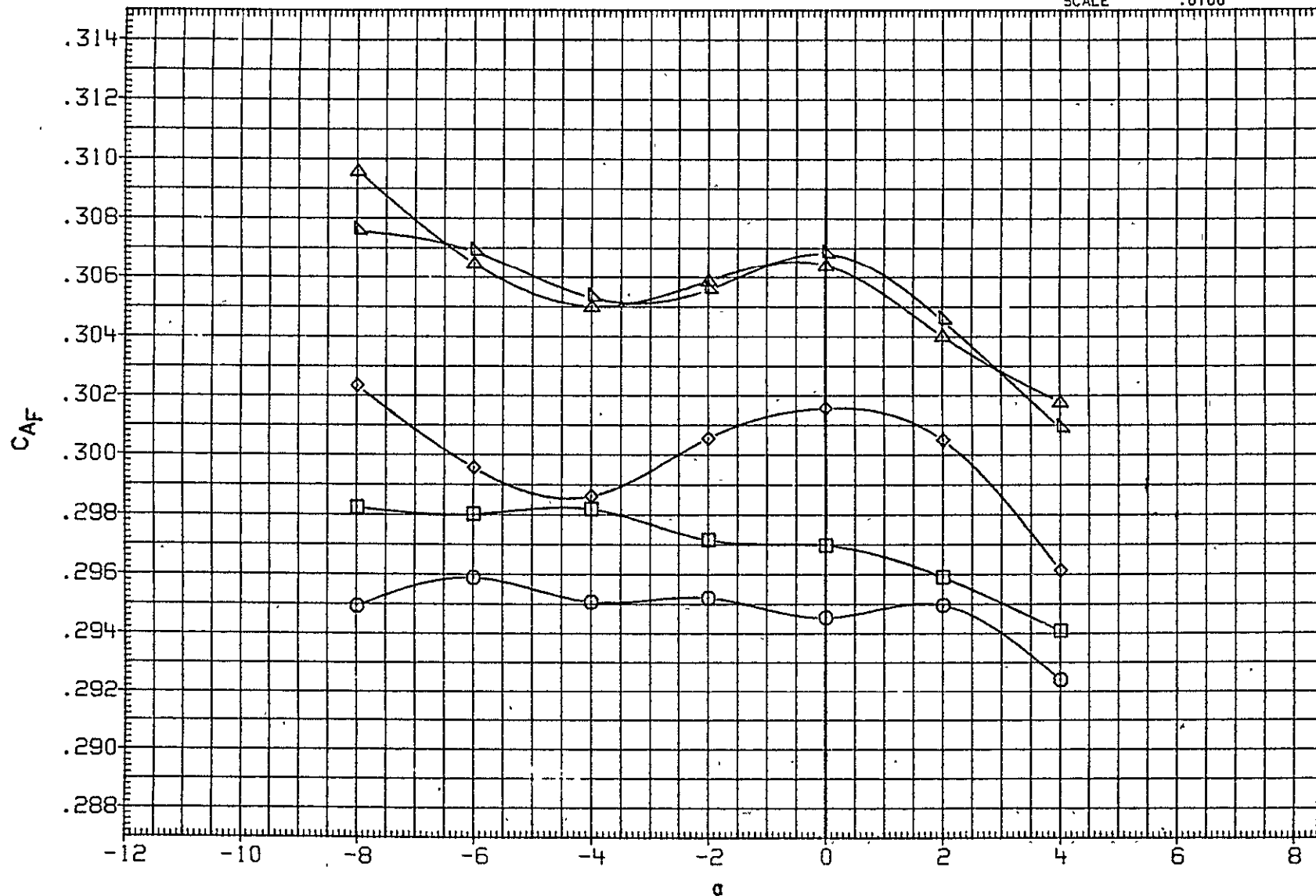


FIG. 4 LONGITUDINAL AERODYNAMIC CHARACTERISTICS

(A) MACH = 1.55

DATA SET	SYMBOL	CONFIGURATION
MJKB57	○	LARC UPWT 1152(1A94A) OTSAT130
MJKB58	□	LARC UPWT 1152(1A94A) OTSAT130
MJKB59	◇	LARC UPWT 1152(1A94A) OTSAT130
MJKB60	△	LARC UPWT 1152(1A94A) OTSAT130
MJKB61	▽	LARC UPWT 1152(1A94A) OTSAT130

BETA	ELV-L1	ELV-L0	ELV-R1	ELV-R0
-6.000	8.000	-10.000	8.000	-10.000
-4.000	8.000	-10.000	8.000	-10.000
0.000	8.000	-10.000	8.000	-10.000
4.000	8.000	-10.000	8.000	-10.000
6.000	8.000	-10.000	8.000	-10.000

REFERENCE INFORMATION		
SREF	2690.0000	SQ.FT.
LREF	1290.3000	INCHES
BREF	1290.3000	INCHES
XMRP	976.0000	IN. XT
YMRP	0000	IN. YT
ZMRP	400.0000	IN. ZT
SCALE	0100	

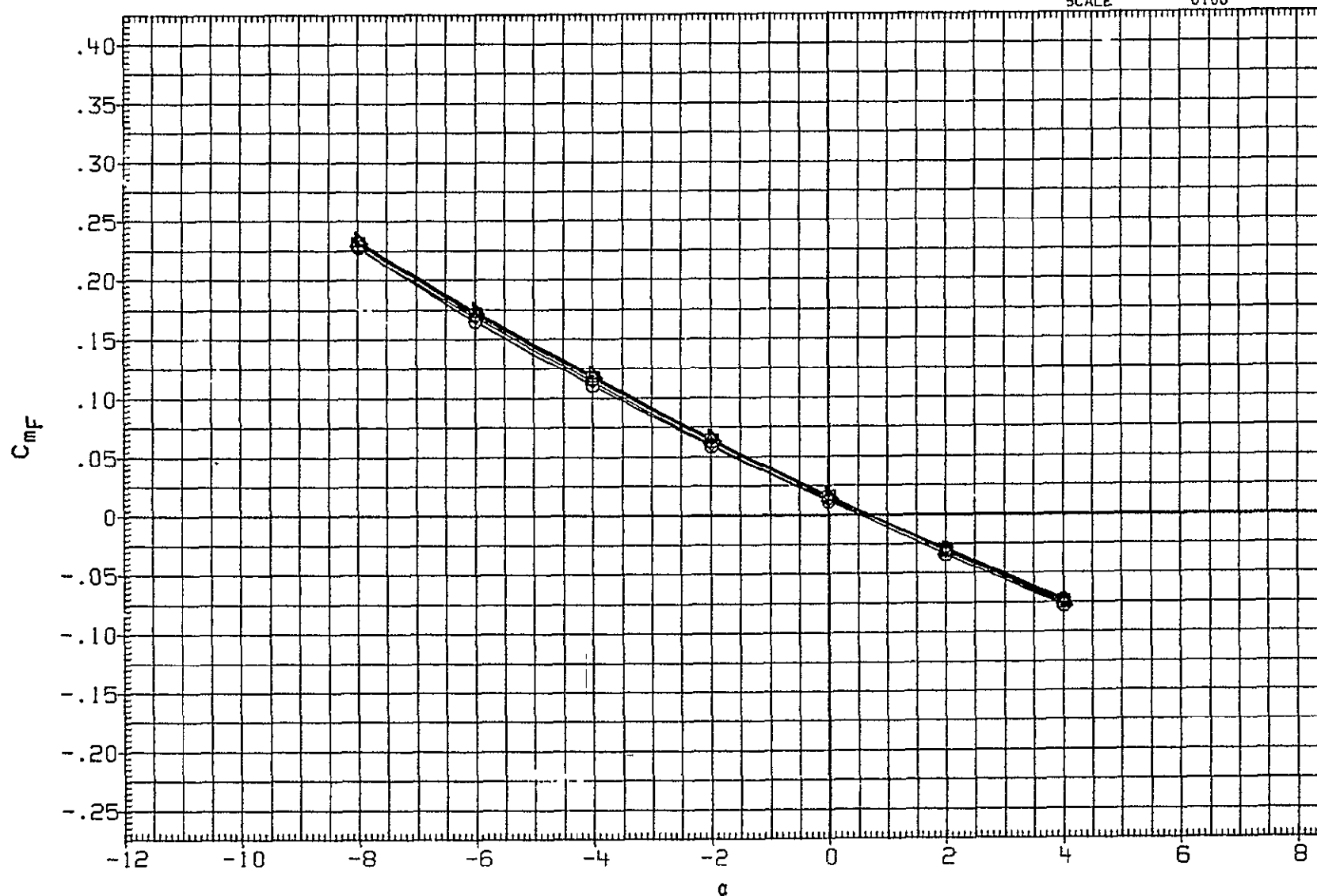


FIG. 4 LONGITUDINAL AERODYNAMIC CHARACTERISTICS

(A) MACH = 1.55

DATA SET	SYMBOL	CONFIGURATION	BETA	ELV-LI	ELV-LO	ELV-RI	ELV-RO	REFERENCE INFORMATION		
MJKB57	○	LARC UPWT 1152(1A94A) OTSAT130	-6.000	8.000	-10.000	8.000	-10.000	SREF	2690.0000	SQ.FT.
MJKB58	□	LARC UPWT 1152(1A94A) OTSAT130	-4.000	8.000	-10.000	8.000	-10.000	LREF	1290.3000	INCHES
MJKB59	◇	LARC UPWT 1152(1A94A) OTSAT130	.000	8.000	-10.000	8.000	-10.000	BREF	1290.3000	INCHES
MJKB60	△	LARC UPWT 1152(1A94A) OTSAT130	4.000	8.000	-10.000	8.000	-10.000	XMRP	976.0000	IN. XT
MJKB61	▽	LARC UPWT 1152(1A94A) OTSAT130	6.000	8.000	-10.000	8.000	-10.000	YMRP	.0000	IN. YT
								ZMRP	400.0000	IN. ZT
								SCALE	.0100	

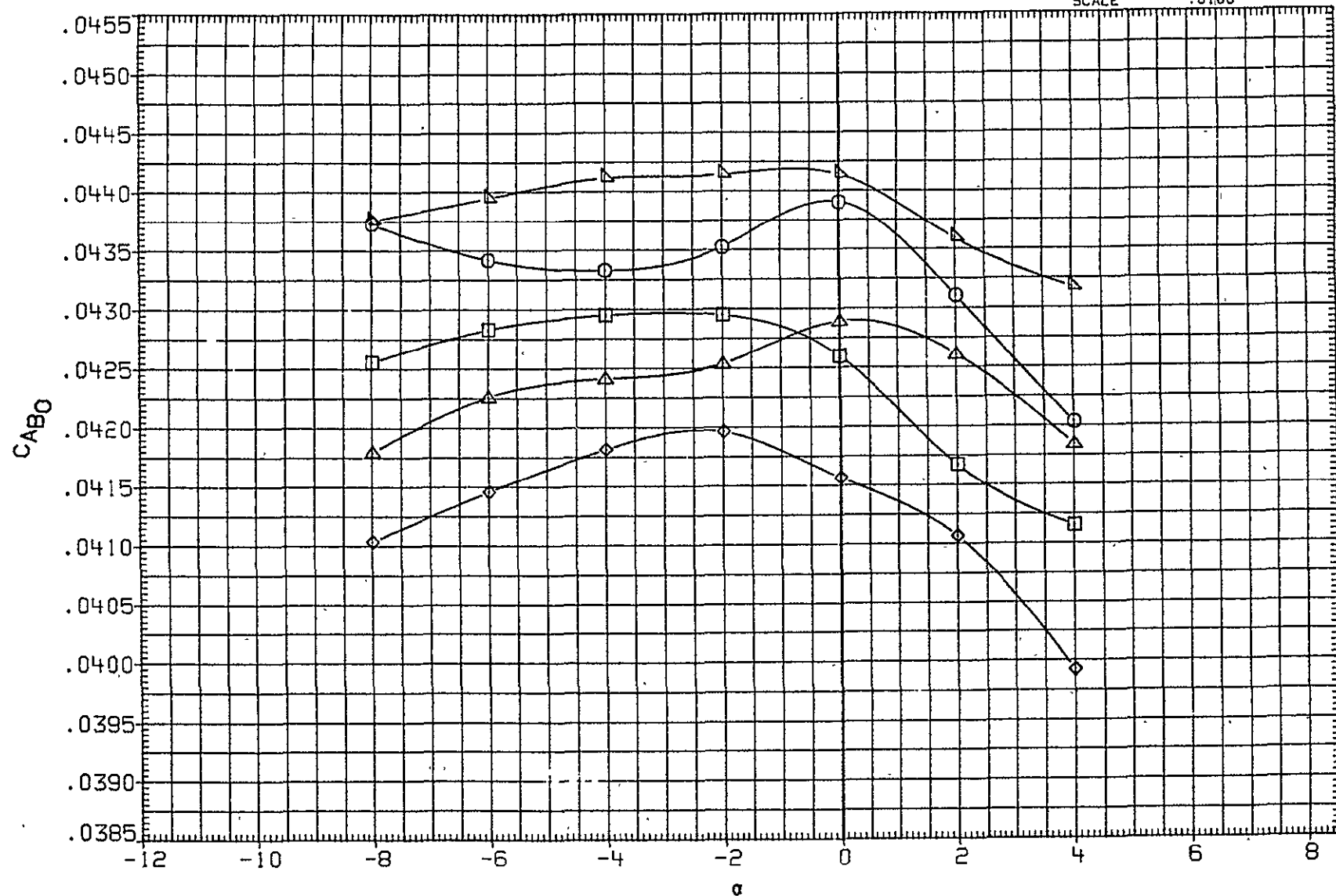


FIG. 4 LONGITUDINAL AERODYNAMIC CHARACTERISTICS

(A) MACH = 1.55

DATA SET	SYMBOL	CONFIGURATION	BETA	ELV-LI	ELV-LO	ELV-RI	ELV-RO	REFERENCE INFORMATION		
MJKB57	○	LARC UPWT 1152(1A94A) OTSAT130	-6.000	8.000	-10.000	8.000	-10.000	SREF	2690.0000	SQ.FT.
MJKB58	□	LARC UPWT 1152(1A94A) OTSAT130	-4.000	8.000	-10.000	8.000	-10.000	LREF	1290.3000	INCHES
MJKB59	◇	LARC UPWT 1152(1A94A) OTSAT130	.000	8.000	-10.000	8.000	-10.000	BREF	1290.3000	INCHES
MJKB60	△	LARC UPWT 1152(1A94A) OTSAT130	4.000	8.000	-10.000	8.000	-10.000	XMRP	976.0000	IN YT
MJKB61	▽	LARC UPWT 1152(1A94A) OTSAT130	6.000	8.000	-10.000	8.000	-10.000	YMRP	.0000	IN YT
								ZMRP	400.0000	IN ZT
								SCALE	0100	

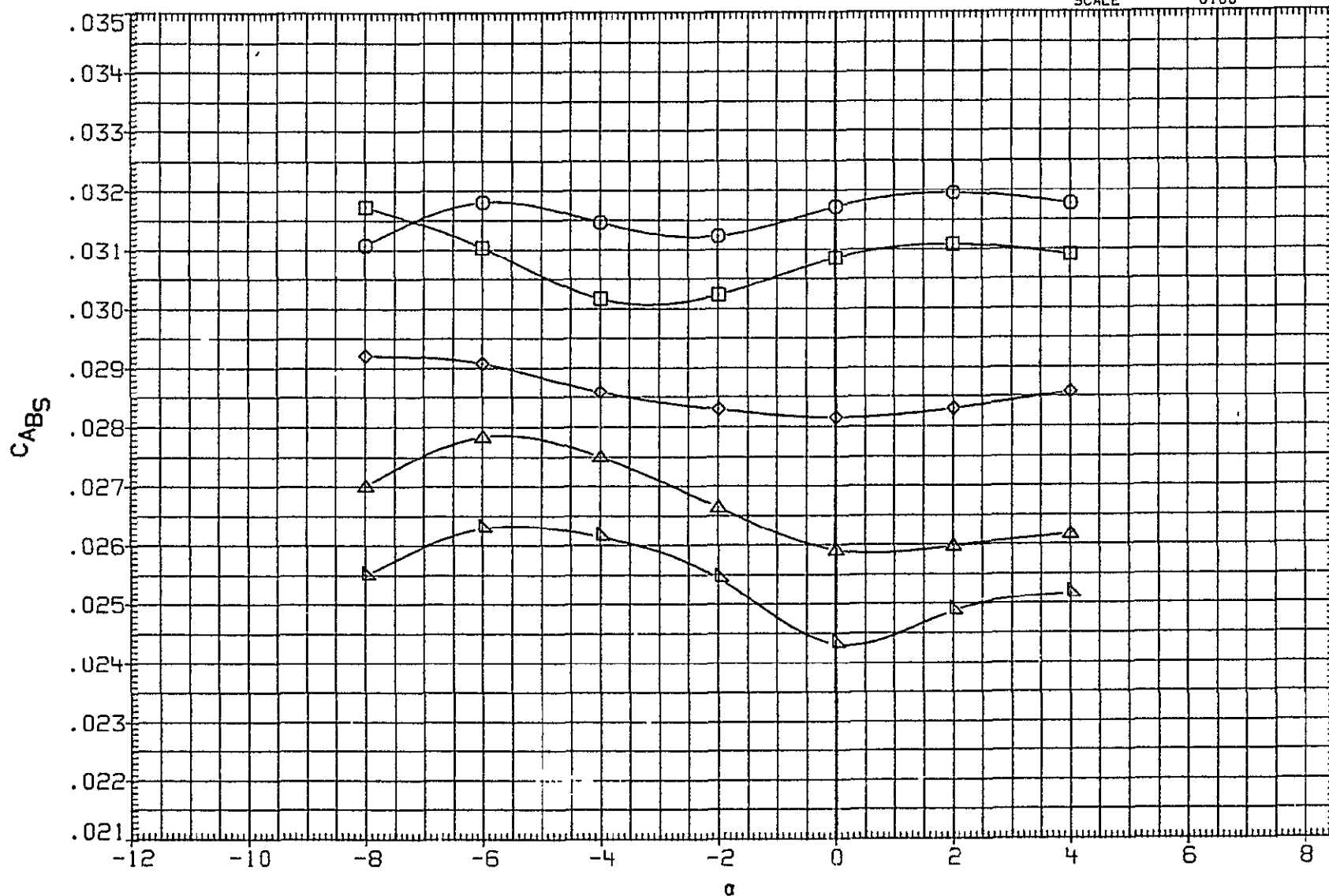


FIG. 4 LONGITUDINAL AERODYNAMIC CHARACTERISTICS

DATA SET	SYMBOL	CONFIGURATION	BETA	ELV-LI	ELV-LO	ELV-RI	ELV-RO	REFERENCE INFORMATION		
MJKB57	○	LARC UPWT 1152(1A94A) OTSAT130	-6.000	8.000	-10.000	8.000	-10.000	SREF	2690.0000	SQ.FT.
MJKB58	□	LARC UPWT 1152(1A94A) OTSAT130	-4.000	8.000	-10.000	8.000	-10.000	LREF	1290.3000	INCHES
MJKB59	◇	LARC UPWT 1152(1A94A) OTSAT130	.000	8.000	-10.000	8.000	-10.000	BREF	1290.3000	INCHES
MJKB60	△	LARC UPWT 1152(1A94A) OTSAT130	4.000	8.000	-10.000	8.000	-10.000	XMRP	976.0000	IN. XT
MJKB61	▽	LARC UPWT 1152(1A94A) OTSAT130	6.000	8.000	-10.000	8.000	-10.000	YMRP	.0000	IN. YT
								ZMRP	400.0000	IN. ZT
								SCALE	.0100	

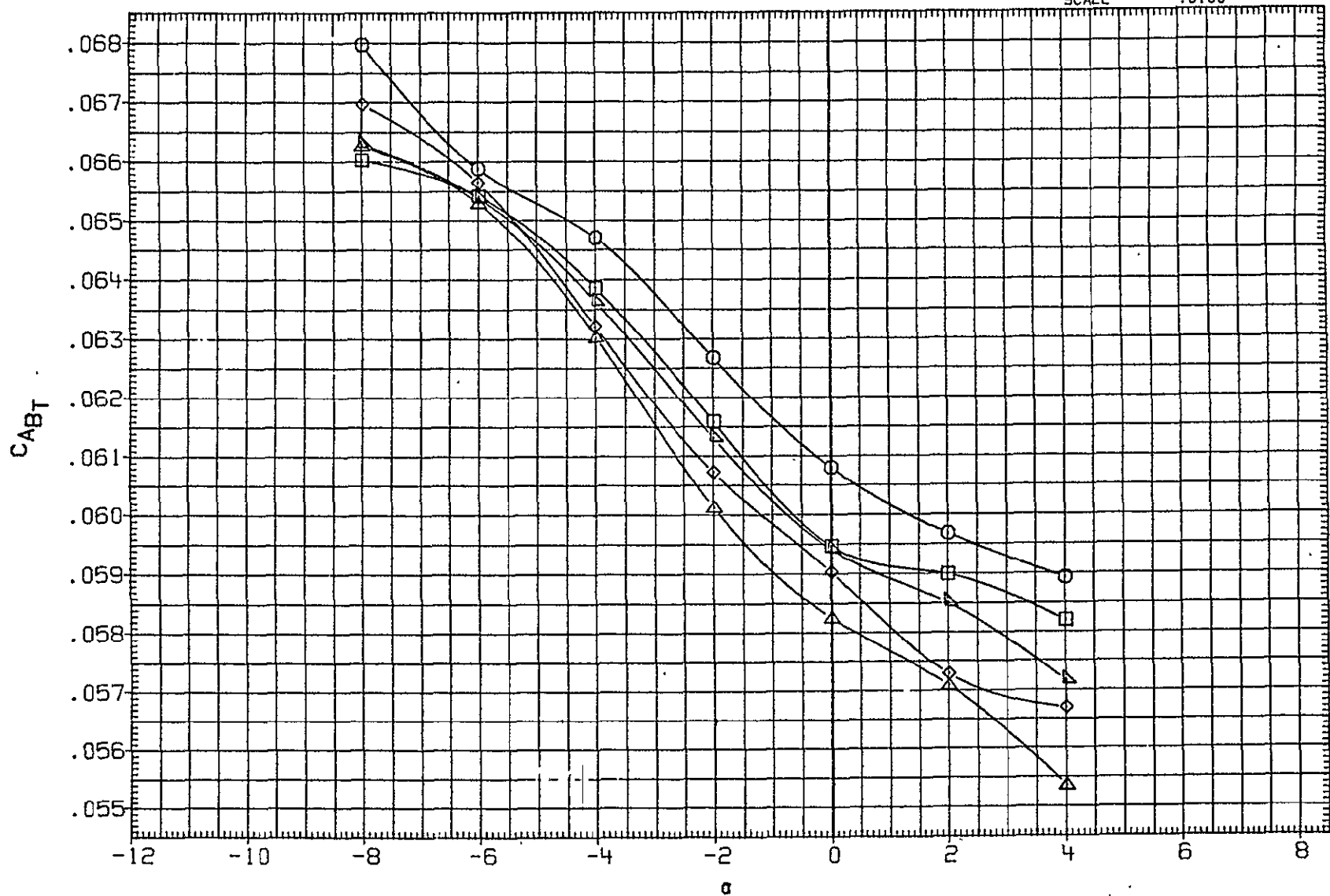


FIG. 4 LONGITUDINAL AERODYNAMIC CHARACTERISTICS

(A) MACH = 1.55

DATA SET	SYMBOL	CONFIGURATION	BETA	ELV-LI	ELV-LO	ELV-RI	ELV-RO	REFERENCE INFORMATION		
MJKA17	○	LARC UPWT 1152(1A94A) OTSAT130	-6.000	10.000	-5.000	10.000	-5.000	SREF	2690.0000	SQ. FT.
MJKA18	□	LARC UPWT 1152(1A94A) OTSAT130	-4.000	10.000	-5.000	10.000	-5.000	LREF	1290.3000	INCHES
MJKA19	◇	LARC UPWT 1152(1A94A) OTSAT130	.000	10.000	-5.000	10.000	-5.000	BREF	1290.3000	INCHES
MJKA20	△	LARC UPWT 1152(1A94A) OTSAT130	4.000	10.000	-5.000	10.000	-5.000	XMRP	976.0000	IN. XT
MJKA21	▽	LARC UPWT 1152(1A94A) OTSAT130	6.000	10.000	-5.000	10.000	-5.000	YMRP	.0000	IN. YT
								ZMRP	400.0000	IN. ZT
								SCALE	0100	

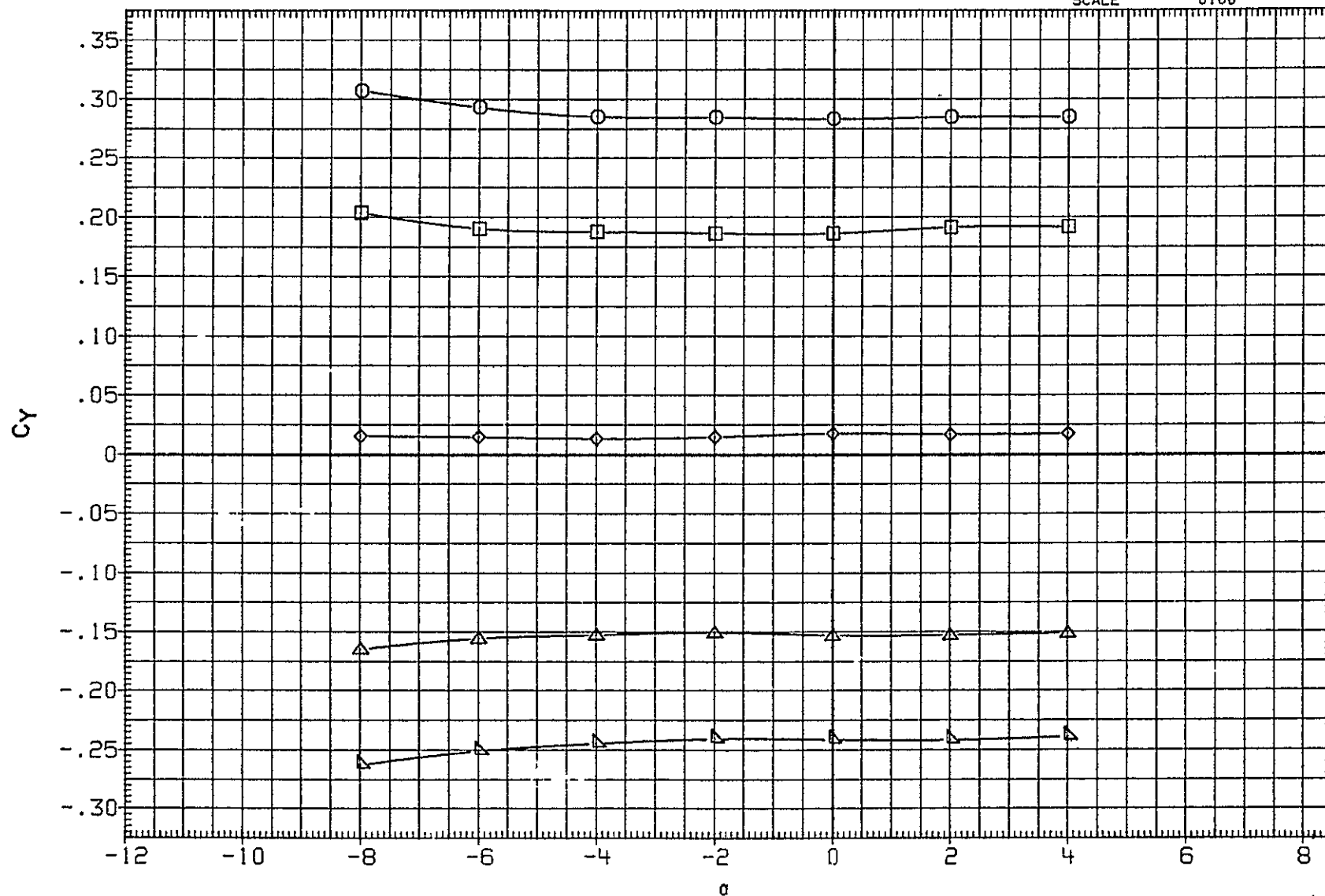


FIG. 5 LATERAL-DIRECTIONAL AERODYNAMIC CHARACTERISTICS

(A) MACH = 1.55

DATA SET	SYMBOL	CONFIGURATION	BETA	ELV-LI	ELV-LO	ELV-RI	ELV-RO	REFERENCE INFORMATION		
MJKA17	○	LARC UPWT 1152(1A94A) OTSAT130	-6.000	10.000	-5.000	10.000	-5.000	SREF	2690.0000	50. FT.
MJKA18	□	LARC UPWT 1152(1A94A) OTSAT130	-4.000	10.000	-5.000	10.000	-5.000	LREF	1290.3000	INCHES
MJKA19	◇	LARC UPWT 1152(1A94A) OTSAT130	.000	10.000	-5.000	10.000	-5.000	BREF	1290.3000	INCHES
MJKA20	△	LARC UPWT 1152(1A94A) OTSAT130	4.000	10.000	-5.000	10.000	-5.000	XMRP	976.0000	IN. XT
MJKA21	▽	LARC UPWT 1152(1A94A) OTSAT130	6.000	10.000	-5.000	10.000	-5.000	YMRP	.0000	IN. YT
								ZMRP	400.0000	IN. ZT
								SCALE	.0100	

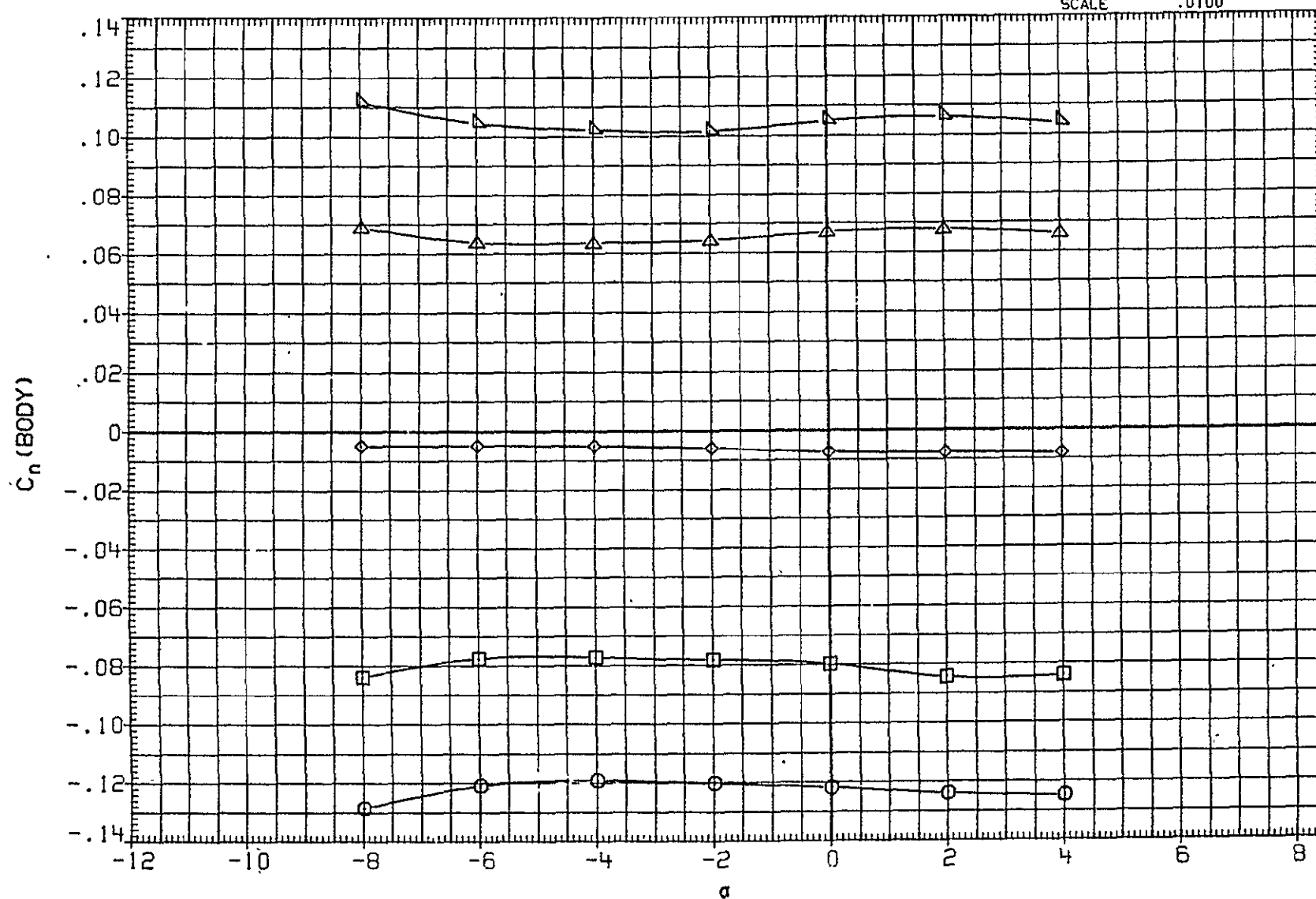


FIG. 5 LATERAL-DIRECTIONAL AERODYNAMIC CHARACTERISTICS

(A) MACH = 1.55

DATA SET	SYMBOL	CONFIGURATION	BETA	ELV-LI	ELV-LO	ELV-RI	ELV-RO	REFERENCE INFORMATION		
MJKA17	○	LARC UPWT 1152(1A94A) OTSAT130	-6.000	10.000	-5.000	10.000	-5.000	SREF	2690.0000	SQ.FT.
MJKA18	□	LARC UPWT 1152(1A94A) OTSAT130	-4.000	10.000	-5.000	10.000	-5.000	LREF	1290.3000	INCHES
MJKA19	◇	LARC UPWT 1152(1A94A) OTSAT130	.000	10.000	-5.000	10.000	-5.000	BREF	1290.3000	INCHES
MJKA20	△	LARC UPWT 1152(1A94A) OTSAT130	4.000	10.000	-5.000	10.000	-5.000	XMRP	976.0000	IN. YT
MJKA21	▽	LARC UPWT 1152(1A94A) OTSAT130	6.000	10.000	-5.000	10.000	-5.000	YMRP	.0000	IN. YT
								ZMRP	400.0000	IN. ZT
								SCALE	.0100	

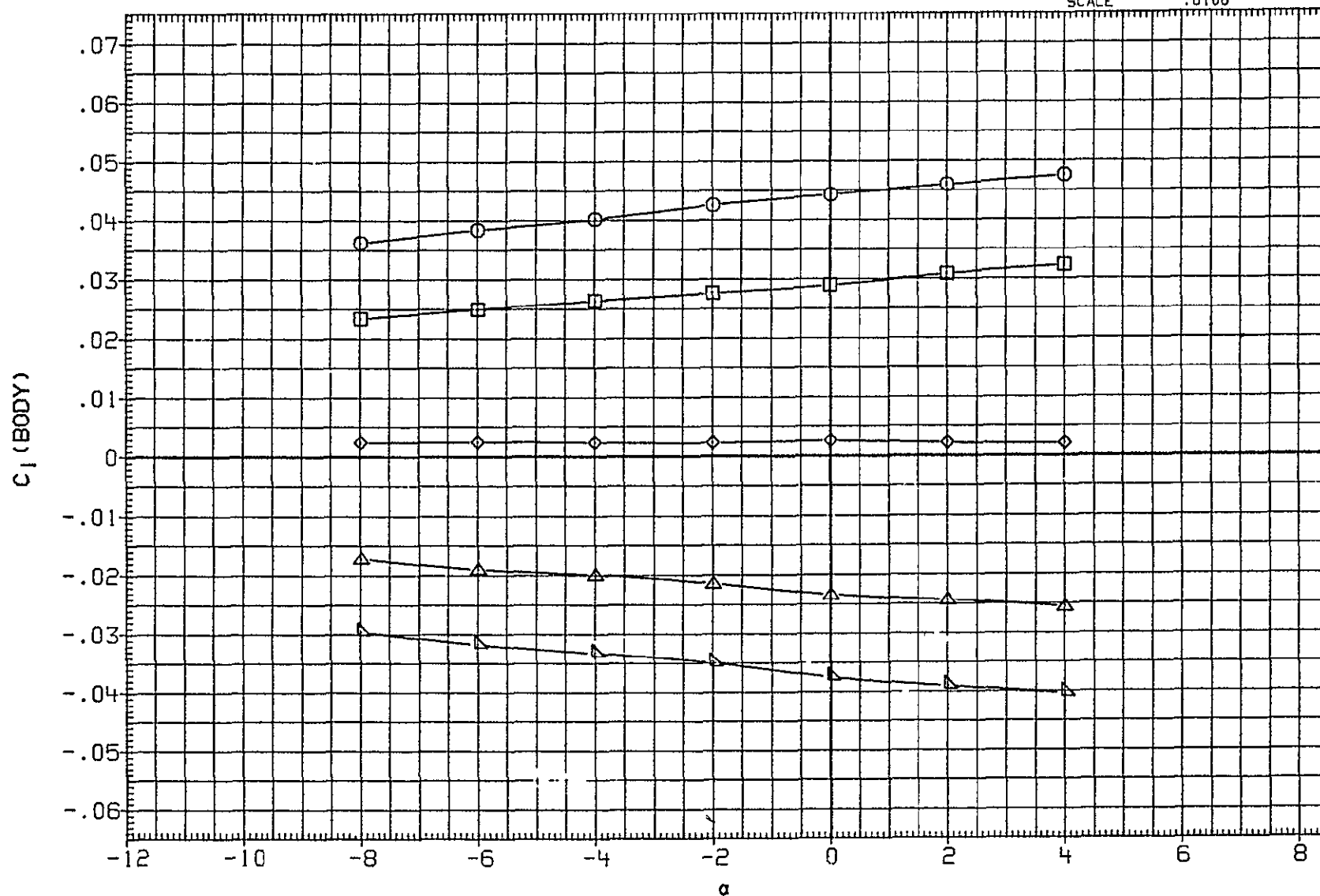


FIG. 5 LATERAL-DIRECTIONAL AERODYNAMIC CHARACTERISTICS

DATA SET	SYMBOL	CONFIGURATION	BETA.	ELV-LI	ELV-LO	ELV-RI	ELV-RO	REFERENCE INFORMATION		
MJKA22	○	LARC UPWT 1152(1A94A) OTSAT130	-6.000	10.000	2.000	10.000	2.000	SREF	2690.0000	SQ.FT.
MJKA23	□	LARC UPWT 1152(1A94A) OTSAT130	-4.000	10.000	2.000	10.000	2.000	LREF	1290.3000	INCHES
MJKA24	◇	LARC UPWT 1152(1A94A) OTSAT130	.000	10.000	2.000	10.000	2.000	BREF	1290.3000	INCHES
MJKA25	△	LARC UPWT 1152(1A94A) OTSAT130	4.000	10.000	2.000	10.000	2.000	XMRP	976.0000	IN. XT
MJKA26	▽	LARC UPWT 1152(1A94A) OTSAT130	6.000	10.000	2.000	10.000	2.000	YMRP	.0000	IN. YT
								ZMRP	400.0000	IN. ZT
								SCALE	.0100	

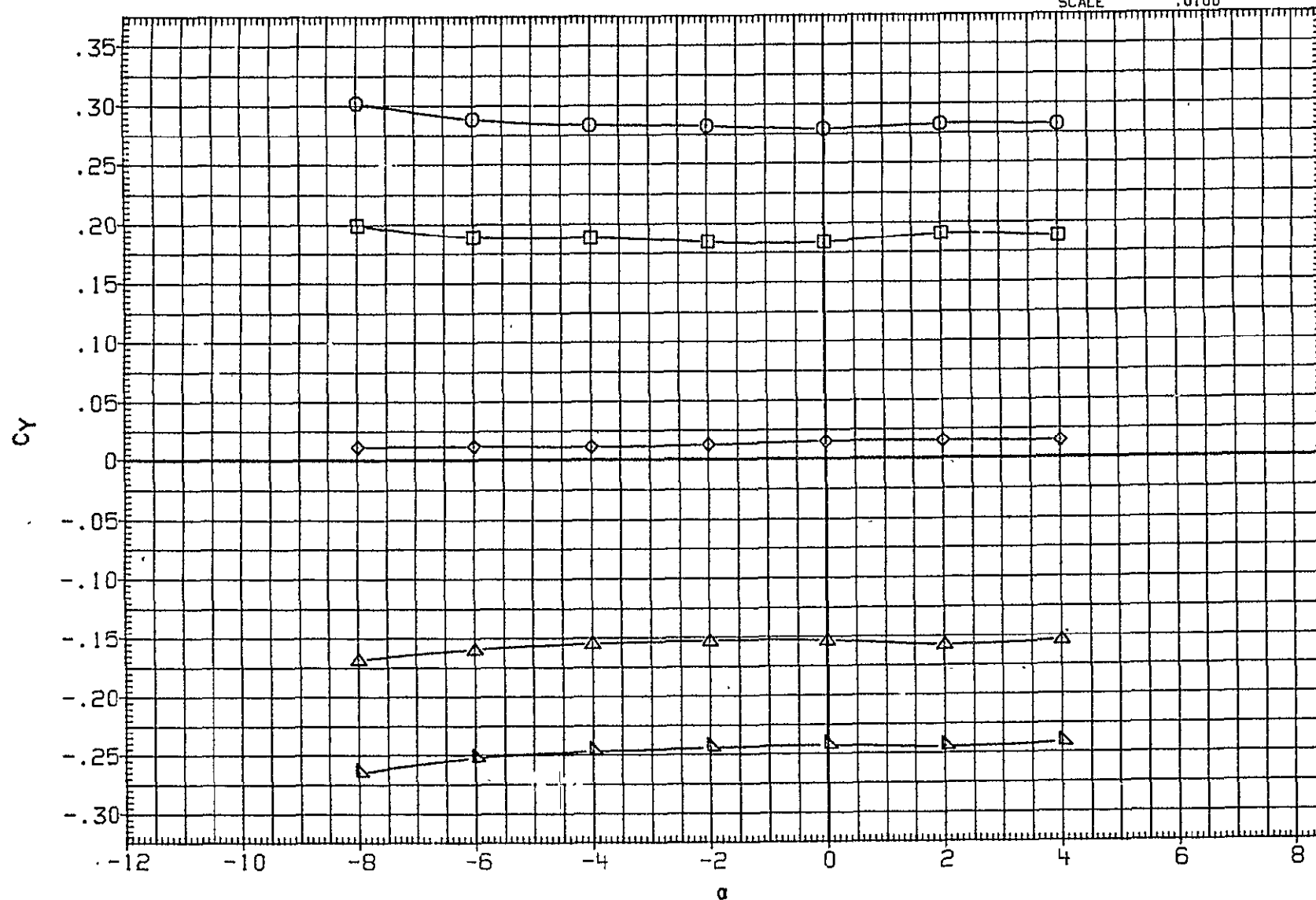


FIG. 5 LATERAL-DIRECTIONAL AERODYNAMIC CHARACTERISTICS

(A) MACH = 1.55

DATA SET	SYMBOL	CONFIGURATION	BETA	ELV-LI	ELV-LO	ELV-RI	ELV-RO	REFERENCE INFORMATION		
MJKA22	○	LARC UPWT 1152(1A94A) OTSAT130	-6.000	10.000	2.000	10.000	2.000	SREF	2690.0000	50. FT.
MJKA23	□	LARC UPWT 1152(1A94A) OTSAT130	-4.000	10.000	2.000	10.000	2.000	LREF	1290.3000	INCHES
MJKA24	◇	LARC UPWT 1152(1A94A) OTSAT130	.000	10.000	2.000	10.000	2.000	BREF	1290.3000	INCHES
MJKA25	△	LARC UPWT 1152(1A94A) OTSAT130	4.000	10.000	2.000	10.000	2.000	XMRP	976.0000	IN. XT
MJKA26	▽	LARC UPWT 1152(1A94A) OTSAT130	6.000	10.000	2.000	10.000	2.000	YMRP	.0000	IN. YT
								ZMRP	400.0000	IN. ZT
								SCALE	0100	

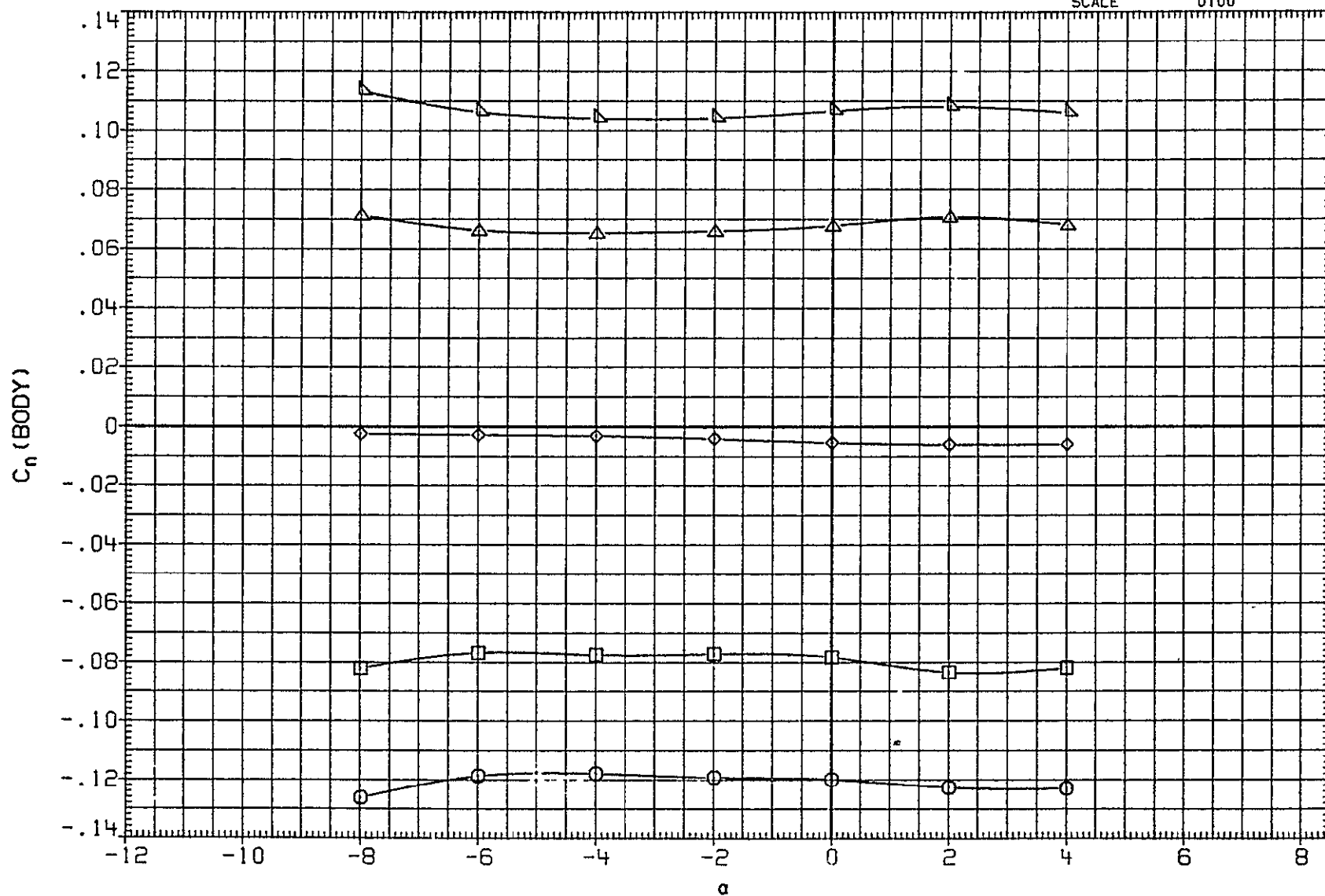


FIG. 5 LATERAL-DIRECTIONAL AERODYNAMIC CHARACTERISTICS

(A) MACH = 1.55

DATA SET	SYMBOL	CONFIGURATION	BETA	ELV-LI	ELV-LO	ELV-RI	ELV-RO	REFERENCE INFORMATION		
MJKA22	○	LARC UPWT 1152(1A94A) OTSAT130	-6.000	10.000	2.000	10.000	2.000	SREF	2690.0000	SQ. FT.
MJKA23	□	LARC UPWT 1152(1A94A) OTSAT130	-4.000	10.000	2.000	10.000	2.000	LREF	1290.3000	INCHES
MJKA24	◇	LARC UPWT 1152(1A94A) OTSAT130	.000	10.000	2.000	10.000	2.000	BREF	1290.3000	INCHES
MJKA25	△	LARC UPWT 1152(1A94A) OTSAT130	4.000	10.000	2.000	10.000	2.000	XMRP	976.0000	IN. -XT
MJKA26	▽	LARC UPWT 1152(1A94A) OTSAT130	6.000	10.000	2.000	10.000	2.000	YMRP	.0000	IN. YT
								ZMRP	400.0000	IN. ZT
								SCALE	.0100	

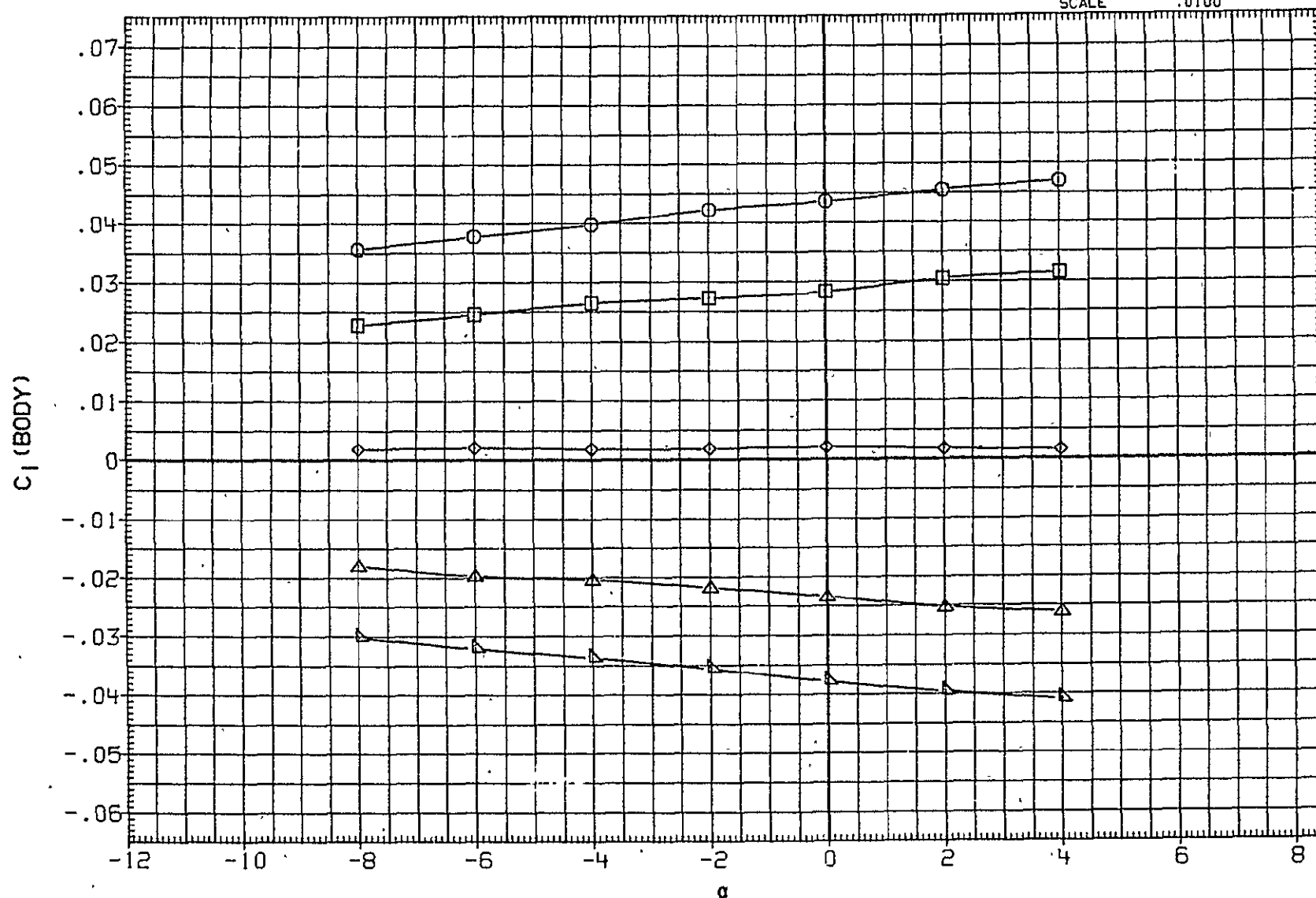


FIG. 5 LATERAL-DIRECTIONAL AERODYNAMIC CHARACTERISTICS

(A) MACH = 1.55

DATA SET	SYMBOL	CONFIGURATION	BETA	ELV-LI	ELV-LO	ELV-RI	ELV-RO	REFERENCE INFORMATION		
MJKA27	○	LARC UPWT 1152(1A94A) OTSAT130	-6.000	10.000	-10.000	10.000	-10.000	SREF	2690.0000	SQ.FT.
MJKA28	□	LARC UPWT 1152(1A94A) OTSAT130	-4.000	10.000	-10.000	10.000	-10.000	LREF	1290.3000	INCHES
MJKA29	◇	LARC UPWT 1152(1A94A) OTSAT130	.000	10.000	-10.000	10.000	-10.000	BREF	1290.3000	INCHES
MJKA30	△	LARC UPWT 1152(1A94A) OTSAT130	4.000	10.000	-10.000	10.000	-10.000	XMRP	976.0000	IN. XT
MJKA31	▽	LARC UPWT 1152(1A94A) OTSAT130	6.000	10.000	-10.000	10.000	-10.000	YMRP	0000	IN. YT
								ZMRP	400.0000	IN. ZT
								SCALE	0100	

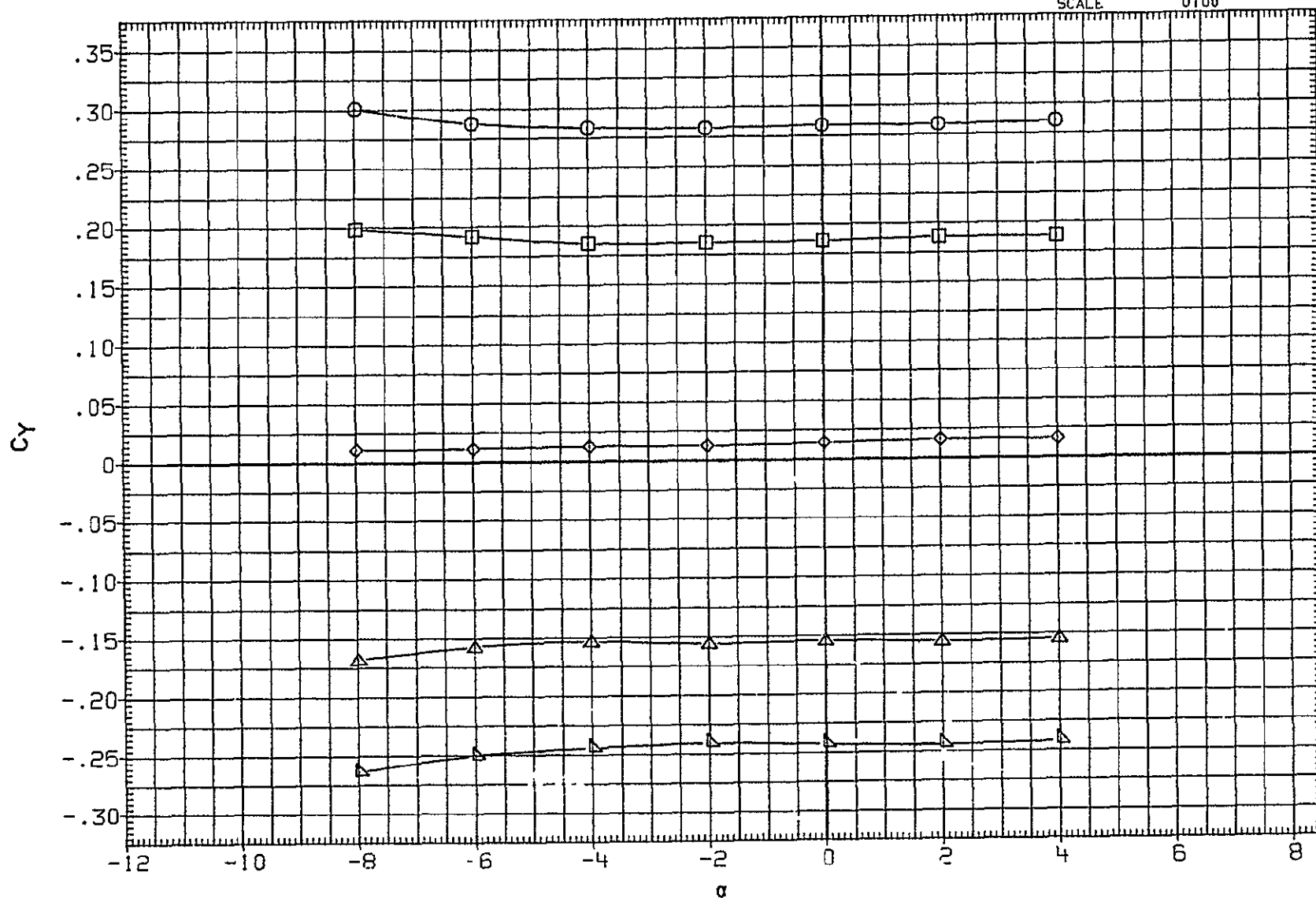


FIG. 5 LATERAL-DIRECTIONAL AERODYNAMIC CHARACTERISTICS

(A) MACH = 1.55

DATA SET	SYMBOL	CONFIGURATION	BETA	ELV-LI	ELV-LO	ELV-RI	ELV-RO	REFERENCE INFORMATION		
MJKA27	○	LARC UPWT 1152(1A94A) OTSAT130	-6.000	10.000	-10.000	10.000	-10.000	SREF	2690.0000	SQ.FT.
MJKA28	□	LARC UPWT 1152(1A94A) OTSAT130	-4.000	10.000	-10.000	10.000	-10.000	LREF	1290.3000	INCHES
MJKA29	◇	LARC UPWT 1152(1A94A) OTSAT130	.000	10.000	-10.000	10.000	-10.000	BREF	1290.3000	INCHES
MJKA30	△	LARC UPWT 1152(1A94A) OTSAT130	4.000	10.000	-10.000	10.000	-10.000	XMRP	976.0000	IN. XT
MJKA31	▽	LARC UPWT 1152(1A94A) OTSAT130	6.000	10.000	-10.000	10.000	-10.000	YMRP	.0000	IN. YT
								ZMRP	400.0000	IN. ZT
								SCALE	.0100	

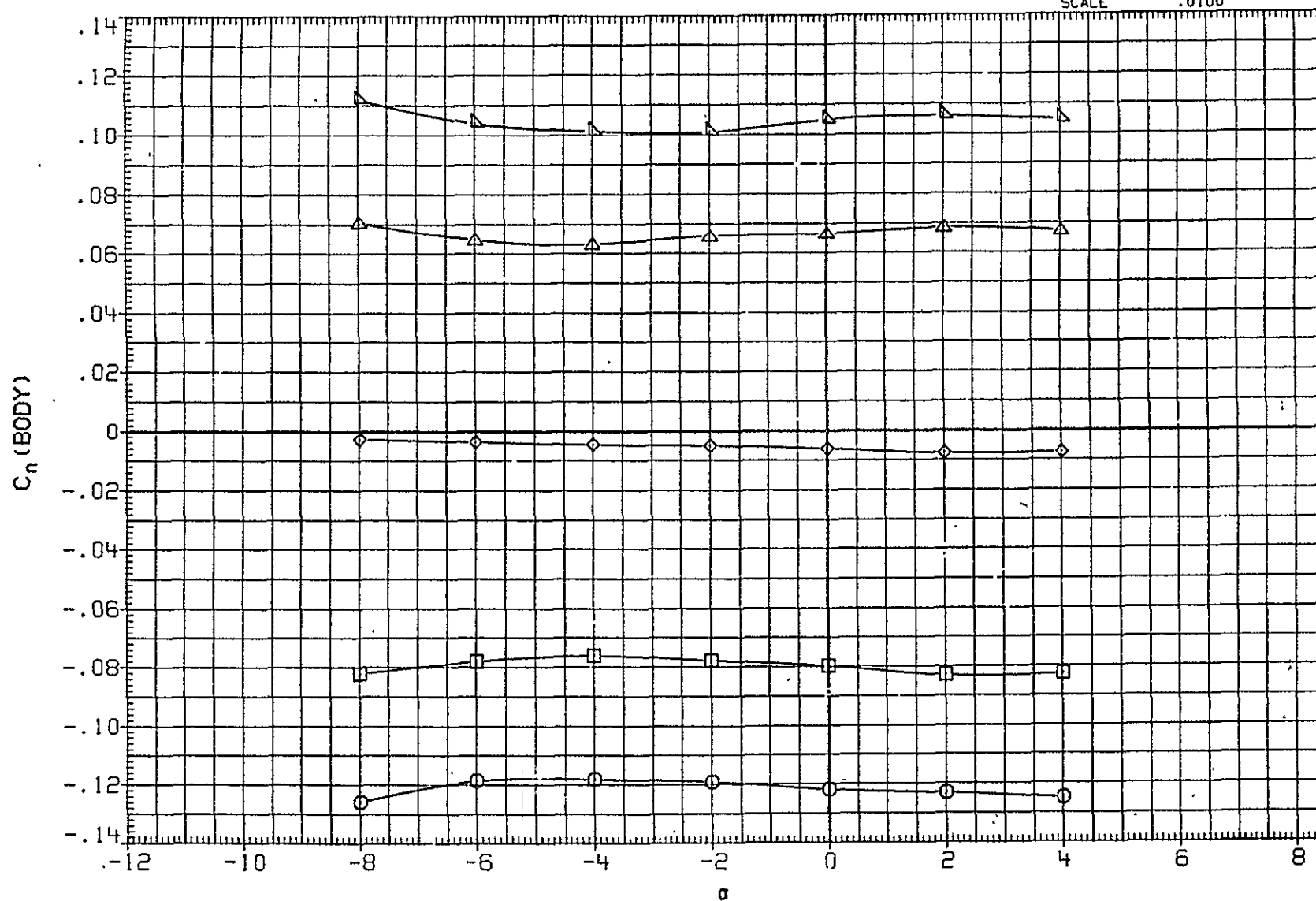


FIG. 5 LATERAL-DIRECTIONAL AERODYNAMIC CHARACTERISTICS

(A) MACH = 1.55

DATA SET	SYMBOL	CONFIGURATION	BETA	ELV-LI	ELV-LO	ELV-RI	ELV-RO	REFERENCE INFORMATION		
MJKA27	○	LARC UPWT 1152(1A94A) OTSAT130	-6.000	10.000	-10.000	10.000	-10.000	SREF	2690.0000	50.FT.
MJKA28	□	LARC UPWT 1152(1A94A) OTSAT130	-4.000	10.000	-10.000	10.000	-10.000	LREF	1290.3000	INCHES
MJKA29	◇	LARC UPWT 1152(1A94A) OTSAT130	0.000	10.000	-10.000	10.000	-10.000	BREF	1290.3000	INCHES
MJKA30	△	LARC UPWT 1152(1A94A) OTSAT130	4.000	10.000	-10.000	10.000	-10.000	XMRP	976.0000	IN. XT
MJKA31	▽	LARC UPWT 1152(1A94A) OTSAT130	6.000	10.000	-10.000	10.000	-10.000	YMRP	.0000	IN. YT
								ZMRP	400.0000	IN. ZT
								SCALE	0100	

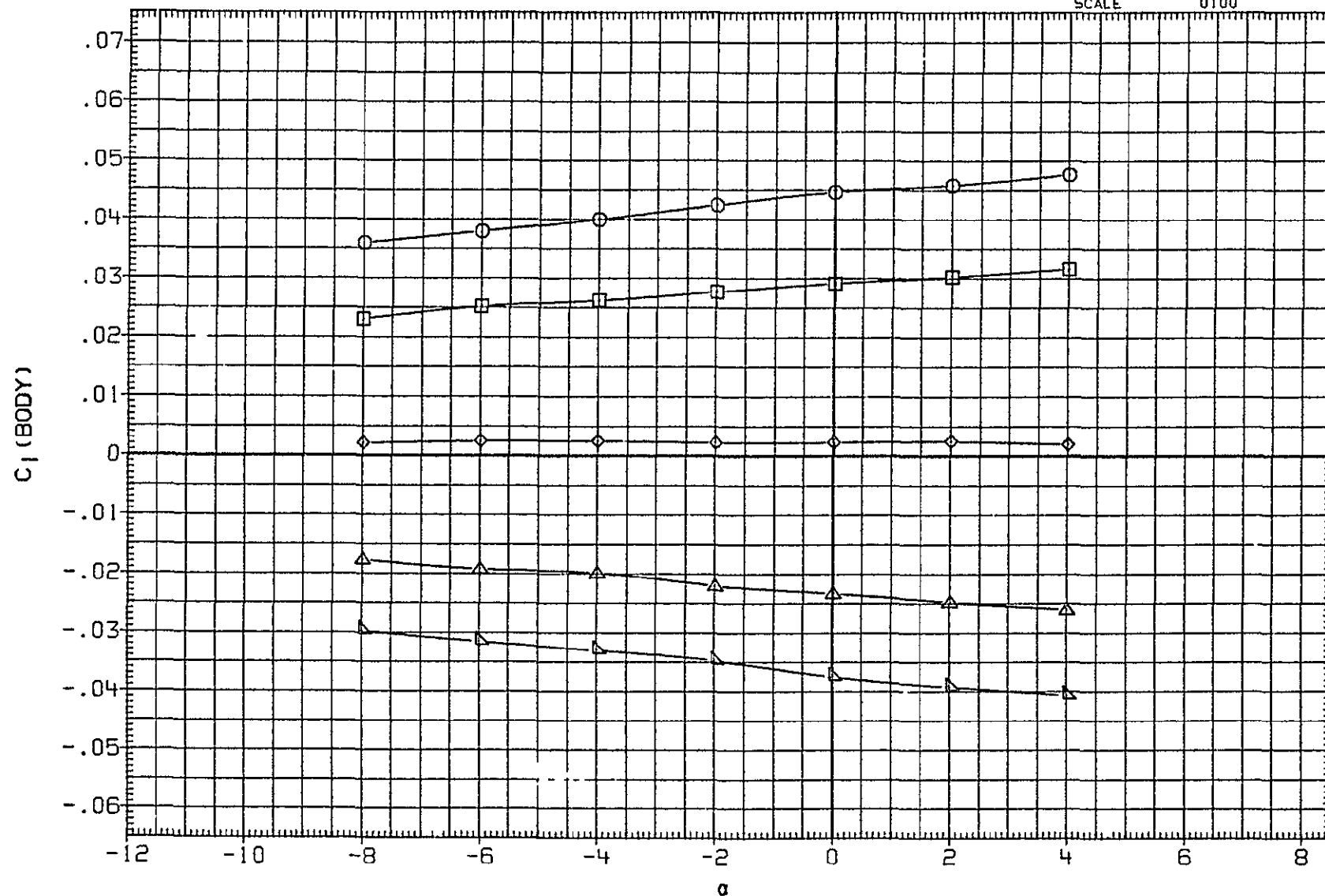


FIG. 5 LATERAL-DIRECTIONAL AERODYNAMIC CHARACTERISTICS

(A) MACH = 1.55

DATA SET	SYMBOL	CONFIGURATION	BETA	ELV-LI	ELV-LO	ELV-RI	ELV-RO	REFERENCE INFORMATION		
MJKA32	○	LARC UPWT 1152(1A94A) OTSAT130	-6.000	12.000	-10.000	12.000	-10.000	SREF	2690.0000	SQ.FT.
MJKA33	□	LARC UPWT 1152(1A94A) OTSAT130	-4.000	12.000	-10.000	12.000	-10.000	LREF	1290.3000	INCHES
MJKA34	◇	LARC UPWT 1152(1A94A) OTSAT130	.000	12.000	-10.000	12.000	-10.000	BREF	1290.3000	INCHES
MJKA35	△	LARC UPWT 1152(1A94A) OTSAT130	4.000	12.000	-10.000	12.000	-10.000	XMRP	976.0000	IN. XT
MJKA36	▽	LARC UPWT 1152(1A94A) OTSAT130	6.000	12.000	-10.000	12.000	-10.000	YMRP	.0000	IN. YT
								ZMRP	400.0000	IN. ZT
								SCALE	.0100	

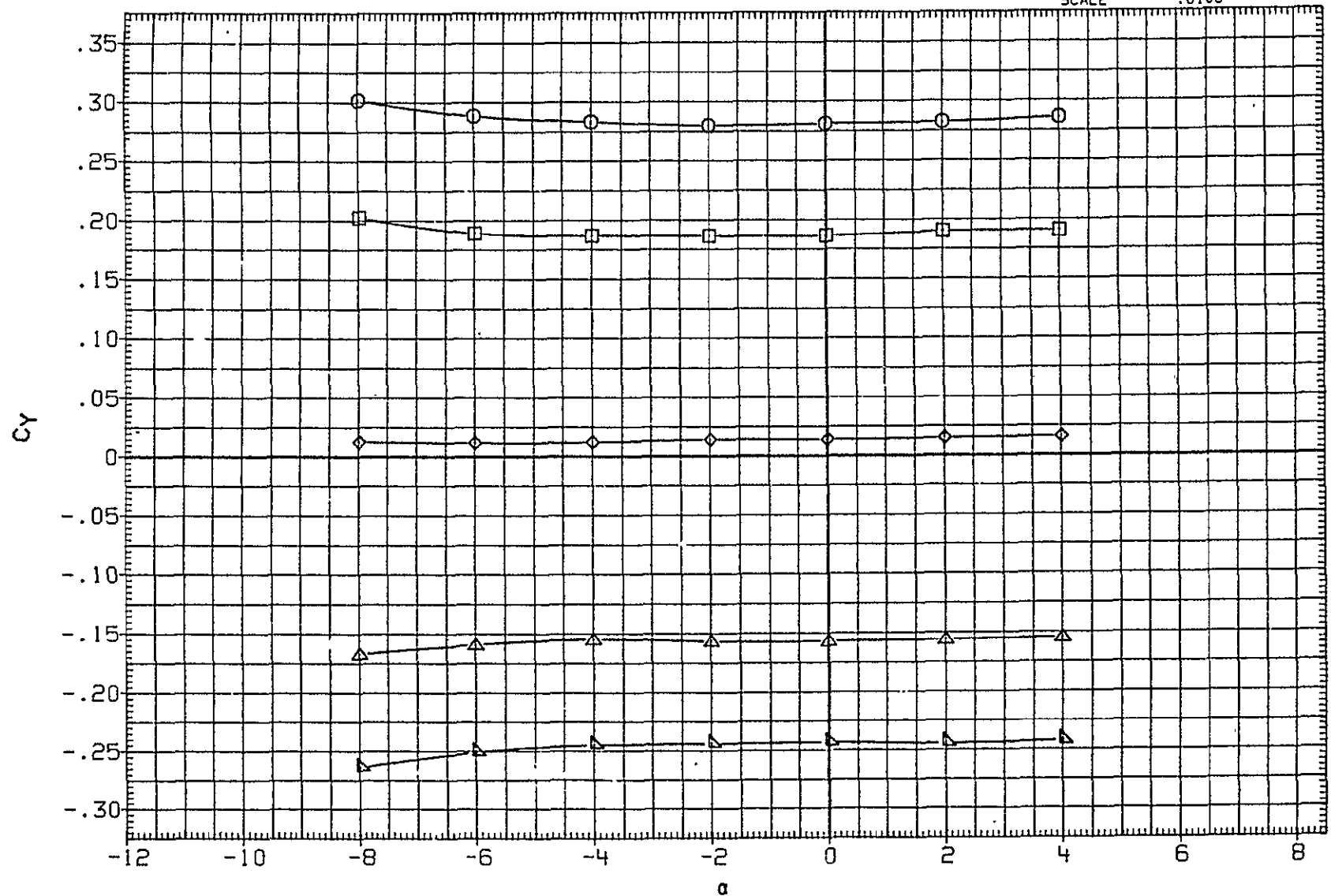


FIG. 5 LATERAL-DIRECTIONAL AERODYNAMIC CHARACTERISTICS

(A) MACH = 1.55

DATA SET	SYMBOL	CONFIGURATION	BETA	ELV-LI	ELV-LO	ELV-RI	ELV-RO	REFERENCE INFORMATION		
MJKA32	○	LARC UPWT 1152(1A94A) OTSAT130	6.000	12.000	-10.000	12.000	-10.000	SREF	2690.0000	SQ.FT.
MJKA33	□	LARC UPWT 1152(1A94A) OTSAT130	-4.000	12.000	-10.000	12.000	-10.000	LREF	1290.3000	INCHES
MJKA34	◇	LARC UPWT 1152(1A94A) OTSAT130	.000	12.000	-10.000	12.000	-10.000	BREF	1290.3000	INCHES
MJKA35	△	LARC UPWT 1152(1A94A) OTSAT130	4.000	12.000	-10.000	12.000	-10.000	XMRP	976.0000	IN. XT
MJKA36	▽	LARC UPWT 1152(1A94A) OTSAT130	6.000	12.000	-10.000	12.000	-10.000	YMRP	.0000	IN. YT
								ZMRP	400.0000	IN. ZT
								SCALE	0100	

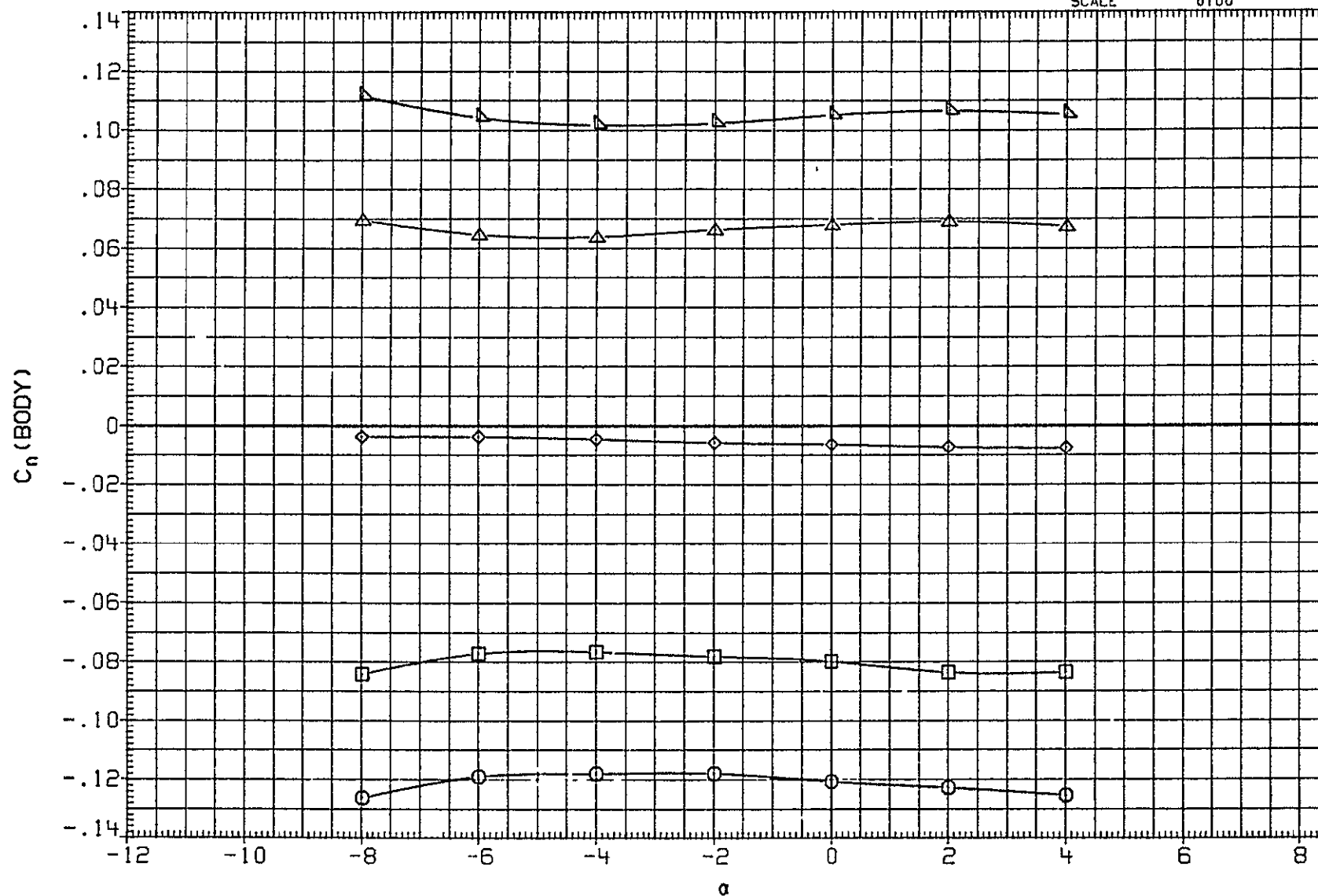


FIG. 5 LATERAL-DIRECTIONAL AERODYNAMIC CHARACTERISTICS

(A) MACH = 1.55

DATA SET	SYMBOL	CONFIGURATION	BETA	ELV-LI	ELV-LO	ELV-RI	ELV-RO	REFERENCE INFORMATION		
MJKA32	○	LARC UPWT 1152(1A94A) OTSAT130	-6.000	12.000	-10.000	12.000	-10.000	SREF	2690.0000	SQ.FT.
MJKA33	□	LARC UPWT 1152(1A94A) OTSAT130	-4.000	12.000	-10.000	12.000	-10.000	LREF	1290.3000	INCHES
MJKA34	◇	LARC UPWT 1152(1A94A) OTSAT130	.000	12.000	-10.000	12.000	-10.000	BREF	1290.3000	INCHES
MJKA35	△	LARC UPWT 1152(1A94A) OTSAT130	4.000	12.000	-10.000	12.000	-10.000	XMFP	976.0000	IN. XT
MJKA36	▽	LARC UPWT 1152(1A94A) OTSAT130	6.000	12.000	-10.000	12.000	-10.000	YMFP	.0000	IN. YT
								ZMRP	400.0000	IN. ZT
								SCALE	.0100	

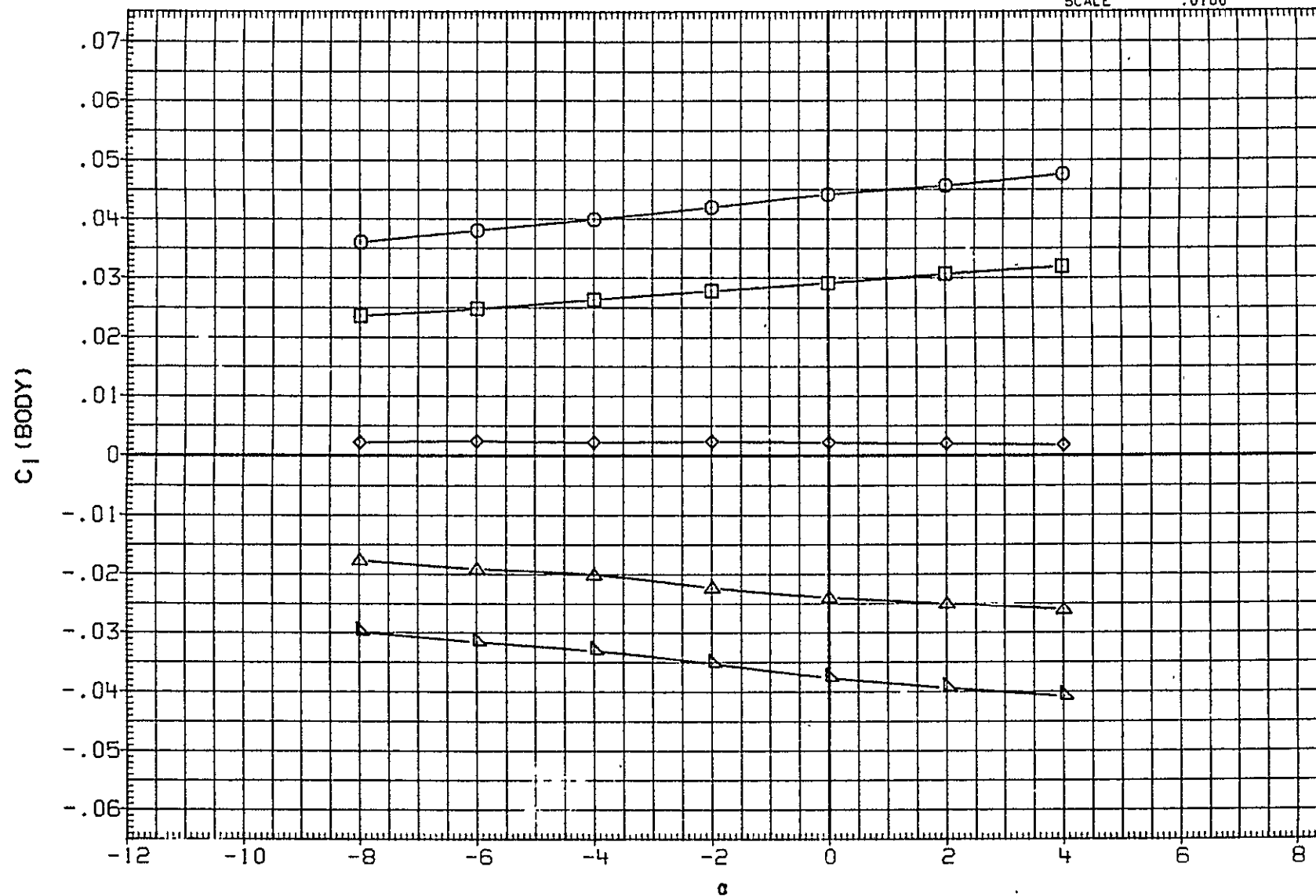


FIG. 5. LATERAL-DIRECTIONAL AERODYNAMIC CHARACTERISTICS

(A) MACH = 1.55

DATA SET	SYMBOL	CONFIGURATION	BETA	ELV-LI	ELV-LO	ELV-RI	ELV-RO	REFERENCE INFORMATION		
MJKA37	○	LARC UPWT 1152(1A94A) OTSAT130	-6.000	12.000	-5.000	12.000	-5.000	SREF	2690 0000	50 FT.
MJKA38	□	LARC UPWT 1152(1A94A) OTSAT130	-4.000	12.000	-5.000	12.000	-5.000	LREF	1290.3000	INCHES
MJKA39	◇	LARC UPWT 1152(1A94A) OTSAT130	0.000	12.000	-5.000	12.000	-5.000	ØREF	1290 3000	INCHES
MJKA40	△	LARC UPWT 1152(1A94A) OTSAT130	4.000	12.000	-5.000	12.000	-5.000	XMRP	976 0000	IN. XT
MJKA41	▽	LARC UPWT 1152(1A94A) OTSAT130	6.000	12.000	-5.000	12.000	-5.000	YMRP	0000	IN. YT
								ZMPP	400.0000	IN. ZT
								SCALE	0100	

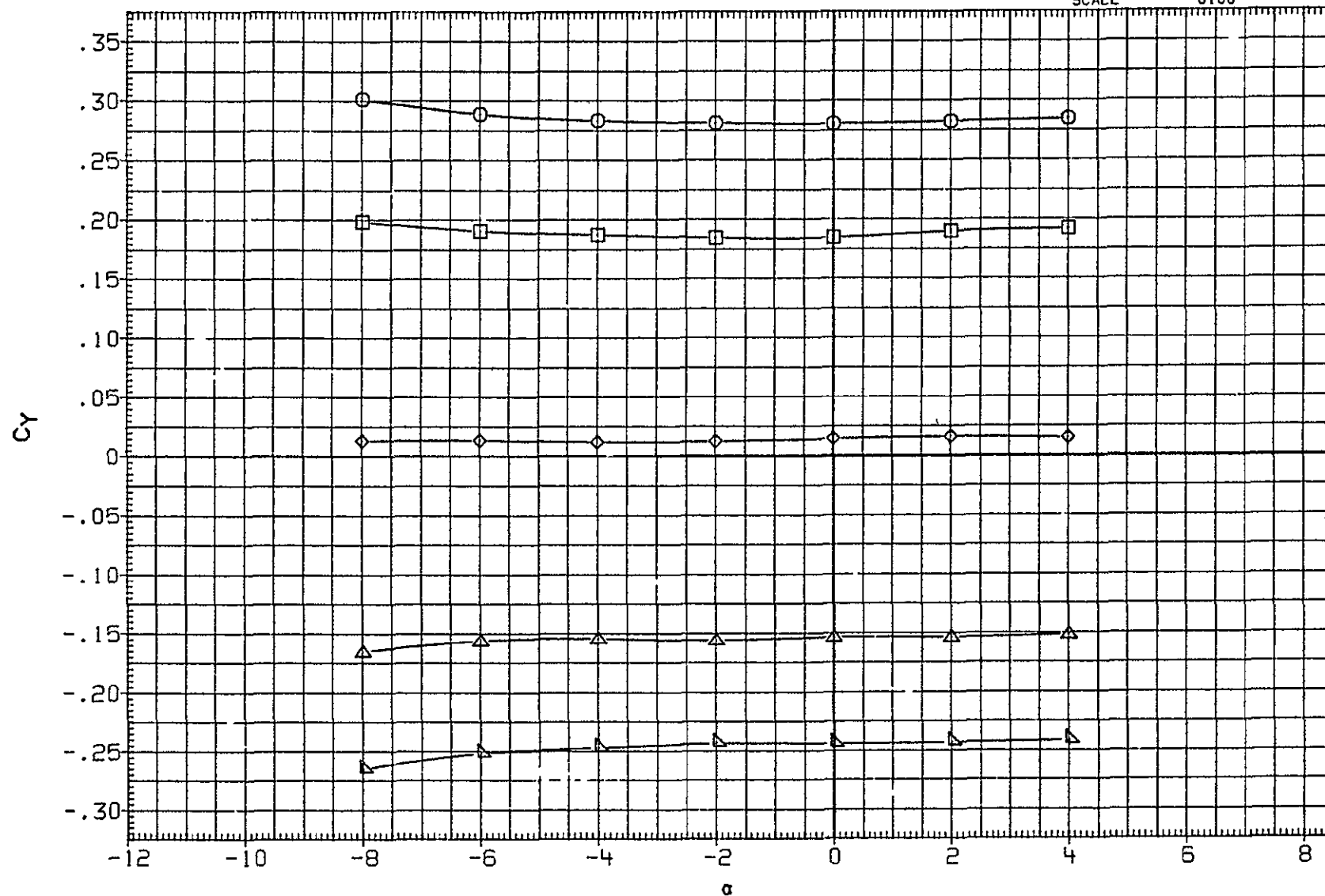


FIG. 5 LATERAL-DIRECTIONAL AERODYNAMIC CHARACTERISTICS

DATA SET	SYMBOL	CONFIGURATION	BETA	ELV-LI	ELV-LO	ELV-RI	ELV-RO	REFERENCE INFORMATION		
MJKA37	○	LARC UPWT 1152(1A94A) OTSAT130	-6.000	12.000	-5.000	12.000	-5.000	SREF	2690.0000	SQ. FT.
MJKA38	□	LARC UPWT 1152(1A94A) OTSAT130	-4.000	12.000	-5.000	12.000	-5.000	LREF	1290.3000	INCHES
MJKA39	◇	LARC UPWT 1152(1A94A) OTSAT130	.000	12.000	-5.000	12.000	-5.000	BREF	1290.3000	INCHES
MJKA40	△	LARC UPWT 1152(1A94A) OTSAT130	4.000	12.000	-5.000	12.000	-5.000	XMRP	976.0000	IN. XT
MJKA41	▽	LARC UPWT 1152(1A94A) OTSAT130	6.000	12.000	-5.000	12.000	-5.000	YMRP	.0000	IN. YT
								ZMRP	400.0000	IN. ZT
								SCALE	.0100	

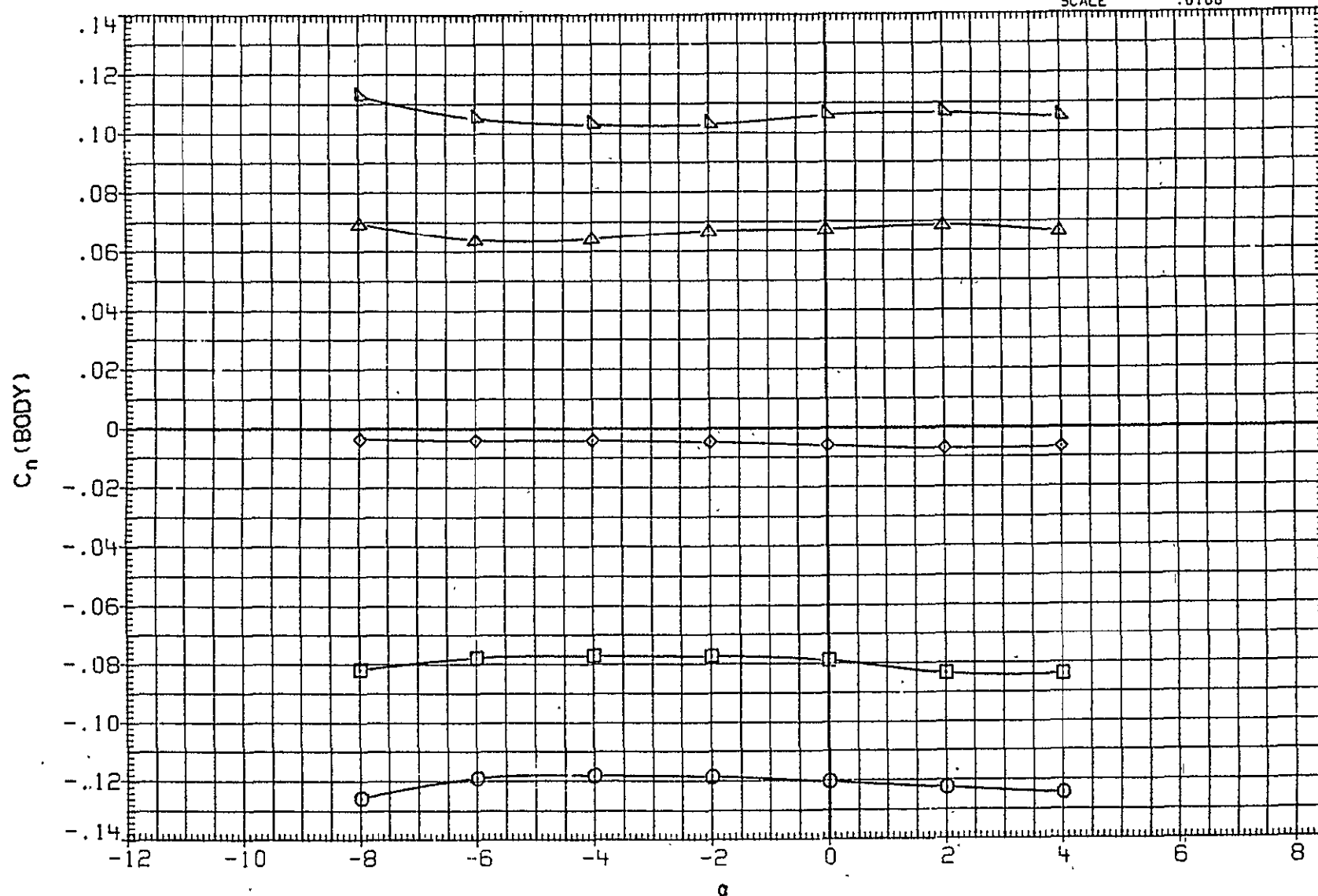


FIG. 5 LATERAL-DIRECTIONAL AERODYNAMIC CHARACTERISTICS

(A) MACH = 1.55

DATA SET	SYMBOL	CONFIGURATION	BETA	ELV-LI	ELV-LO	ELV-RI	ELV-RO	REFERENCE INFORMATION		
MJKA37	○	LARC UPWT 1152(1A94A) OTSAT130	-6.000	12.000	-5.000	12.000	-5.000	SREF	2690.0000	SQ.FT.
MJKA38	◇	LARC UPWT 1152(1A94A) OTSAT130	-4.000	12.000	-5.000	12.000	-5.000	LREF	1290.3000	INCHES
MJKA39	◇	LARC UPWT 1152(1A94A) OTSAT130	.000	12.000	-5.000	12.000	-5.000	BREF	1290.3000	INCHES
MJKA40	△	LARC UPWT 1152(1A94A) OTSAT130	4.000	12.000	-5.000	12.000	-5.000	XMRP	976.0000	IN. XT
MJKA41	△	LARC UPWT 1152(1A94A) OTSAT130	6.000	12.000	-5.000	12.000	-5.000	YMRP	0000	IN. YT
								ZMRP	400.0000	IN. ZT
								SCALE	0100	

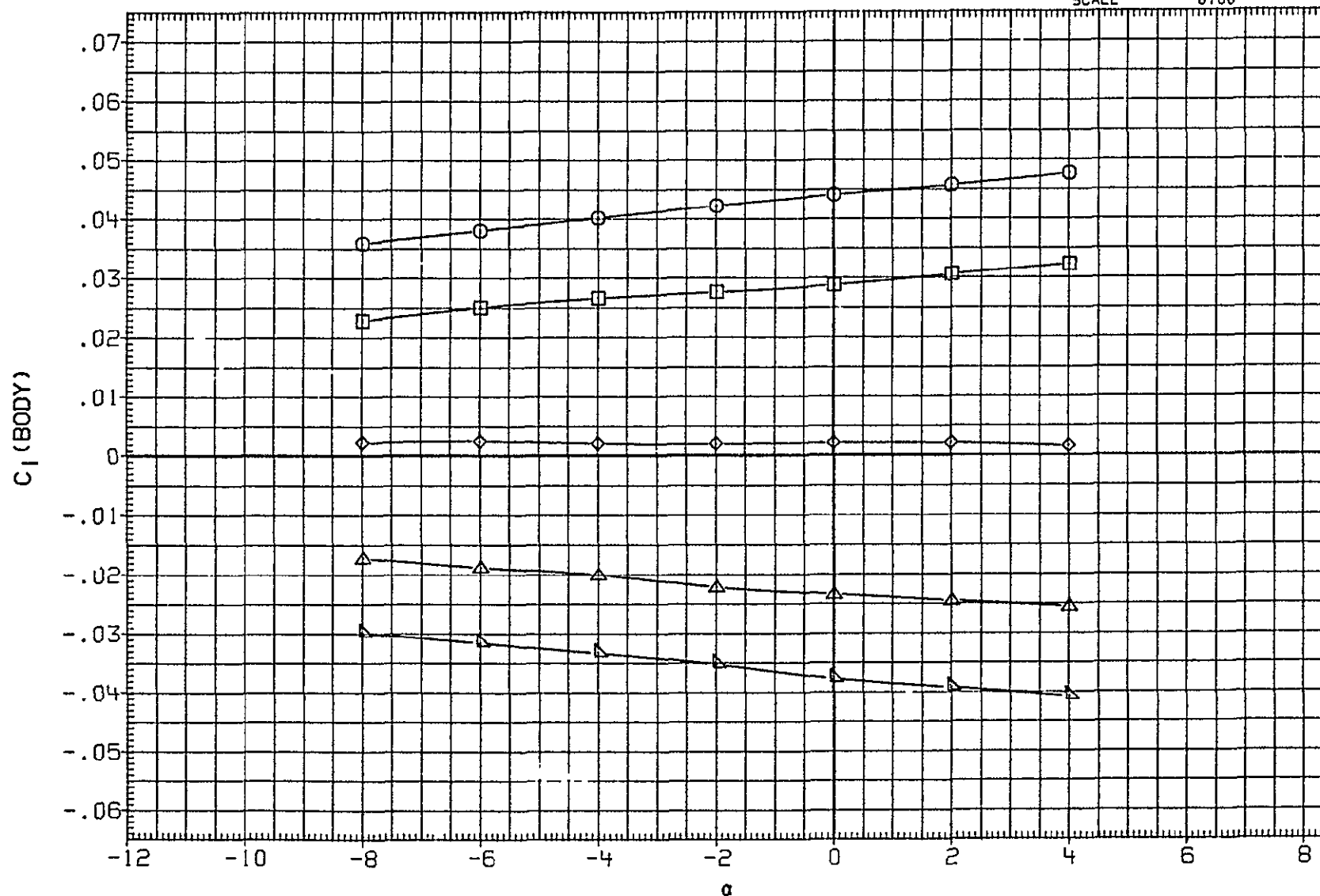


FIG. 5 LATERAL-DIRECTIONAL AERODYNAMIC CHARACTERISTICS

(A) MACH = 1.55

DATA SET	SYMBOL	CONFIGURATION	BETA	ELV-LI	ELV-LO	ELV-RI	ELV-RO	REFERENCE INFORMATION		
MJKA42	○	LARC UPWT 1152(1A94A) OTSAT130	-6.000	12.000	2.000	12.000	2.000	SREF	2690.0000	50.FT.
MJKA43	□	LARC UPWT 1152(1A94A) OTSAT130	-4.000	12.000	2.000	12.000	2.000	LREF	1290.3000	INCHES
MJKA44	◇	LARC UPWT 1152(1A94A) OTSAT130	.000	12.000	2.000	12.000	2.000	BREF	1290.3000	INCHES
MJKA45	△	LARC UPWT 1152(1A94A) OTSAT130	4.000	12.000	2.000	12.000	2.000	XMRP	976.0000	IN. XT
MJKA46	▽	LARC UPWT 1152(1A94A) OTSAT130	6.000	12.000	2.000	12.000	2.000	YMRP	.0000	IN. YT
								ZMRP	400.0000	IN. ZT
								SCALE	.0100	

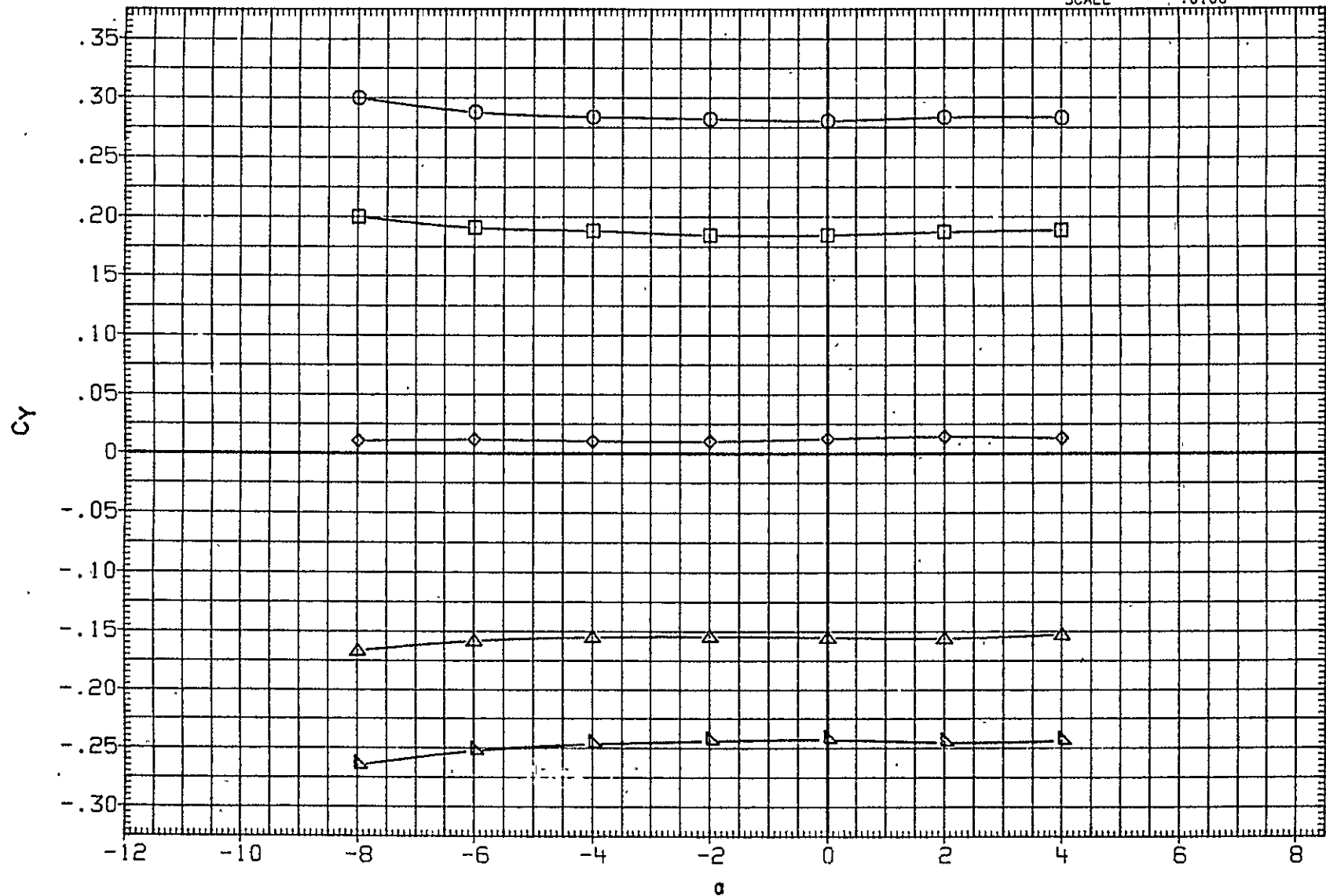


FIG. 5 LATERAL-DIRECTIONAL AERODYNAMIC CHARACTERISTICS

(A) MACH = 1.55

DATA SET	SYMBOL	CONFIGURATION	BETA	ELV-LI	ELV-LO	ELV-RI	ELV-RO	REFERENCE INFORMATION		
MJKA42	○	LARC UPWT 1152(1A94A) OTSAT130	-6.000	12.000	2.000	12.000	2.000	SREF	2690 0000	SQ.FT.
MJKA43	□	LARC UPWT 1152(1A94A) OTSAT130	-4.000	12.000	2.000	12.000	2.000	LREF	1290.3000	INCHES
MJKA44	◇	LARC UPWT 1152(1A94A) OTSAT130	0.000	12.000	2.000	12.000	2.000	BREF	1290 3000	INCHES
MJKA45	△	LARC UPWT 1152(1A94A) OTSAT130	4.000	12.000	2.000	12.000	2.000	XMRP	976.0000	IN. XT
MJKA46	▽	LARC UPWT 1152(1A94A) OTSAT130	6.000	12.000	2.000	12.000	2.000	YMRP	.0000	IN. YT
								ZMRP	400 0000	IN. ZT
								SCALE	0100	

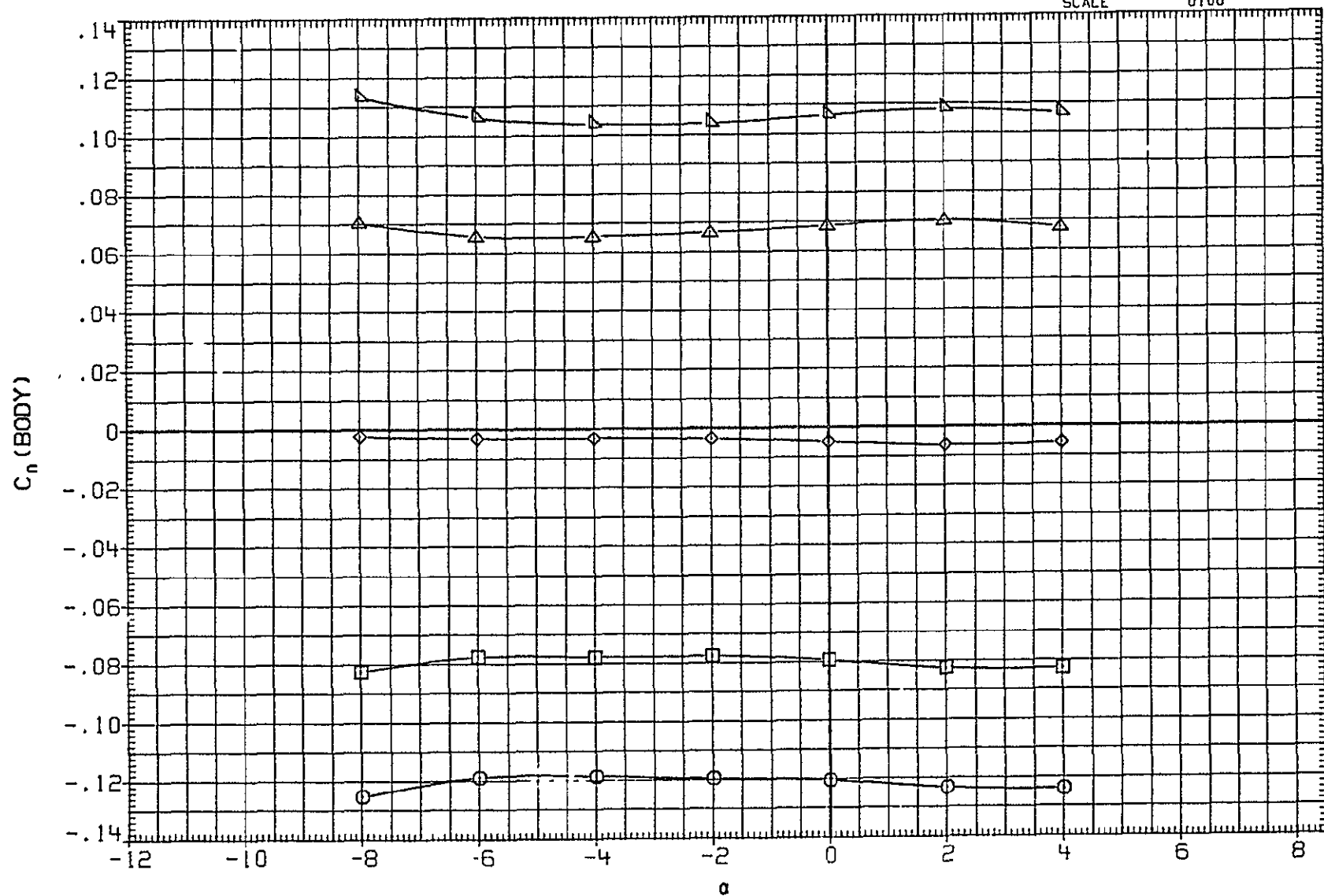


FIG. 5 LATERAL-DIRECTIONAL AERODYNAMIC CHARACTERISTICS

(A) MACH = 1.55

DATA SET	SYMBOL	CONFIGURATION	BETA	ELV-LI	ELV-LO	ELV-RI	ELV-RO	REFERENCE INFORMATION		
MJKA42	○	LARC UPWT 1152(1A94A) OTSAT130	-6.000	12.000	2.000	12.000	2.000	SREF	2690.0000	SQ.FT.
MJKA43	□	LARC UPWT 1152(1A94A) OTSAT130	-4.000	12.000	2.000	12.000	2.000	LREF	1290.3000	INCHES
MJKA44	◇	LARC UPWT 1152(1A94A) OTSAT130	.000	12.000	2.000	12.000	2.000	BREF	1290.3000	INCHES
MJKA45	△	LARC UPWT 1152(1A94A) OTSAT130	4.000	12.000	2.000	12.000	2.000	XMRP	976.0000	IN. XT
MJKA46	▽	LARC UPWT 1152(1A94A) OTSAT130	6.000	12.000	2.000	12.000	2.000	YMRP	.0000	IN. YT
								ZMRP	400.0000	IN. ZT
								SCALE	.0100	

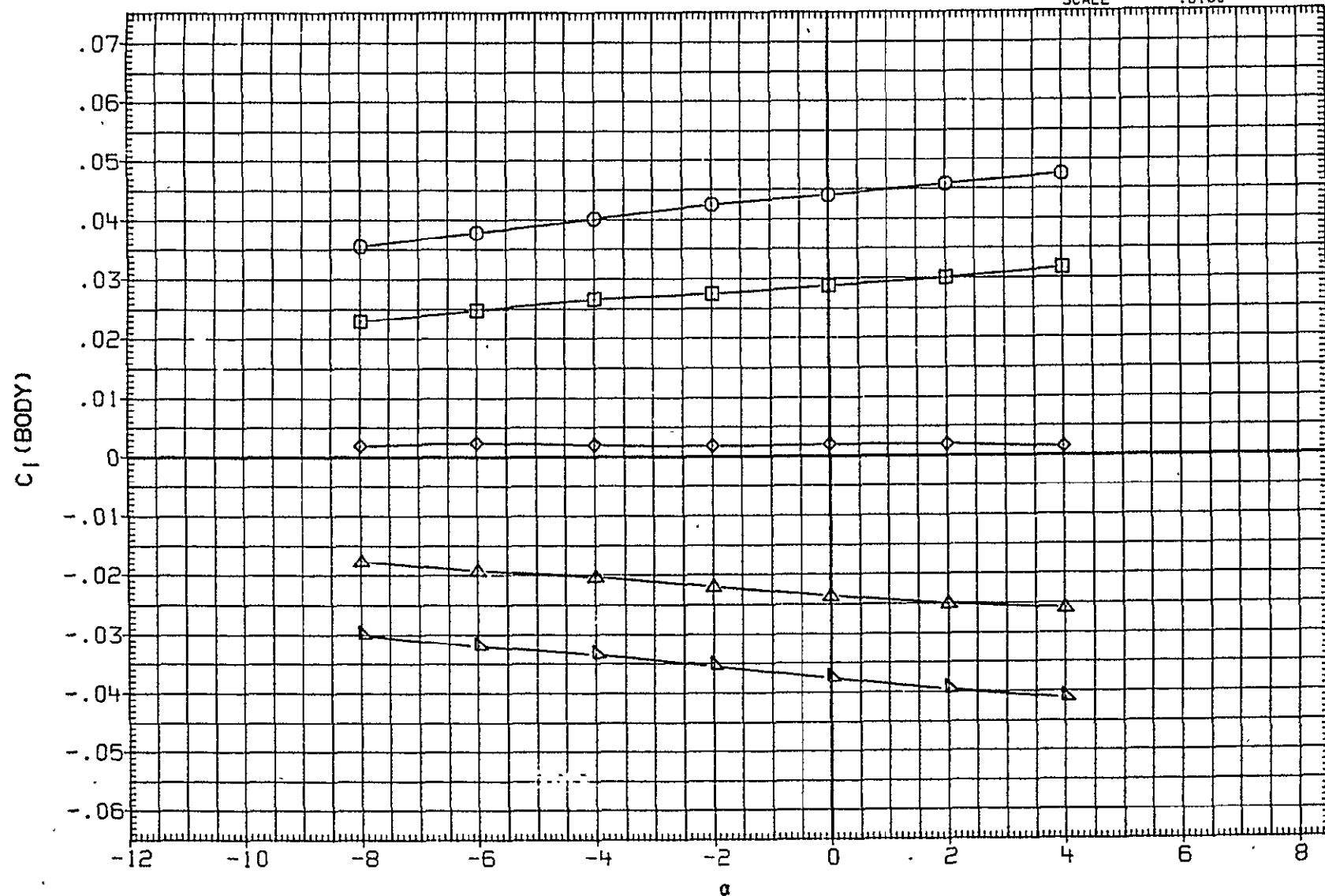


FIG. 5 LATERAL-DIRECTIONAL AERODYNAMIC CHARACTERISTICS

(A) MACH = 1.55

DATA SET	SYMBOL	CONFIGURATION	BETA	ELV-LI	ELV-LO	ELV-RI	ELV-RO	REFERENCE INFORMATION		
MJKA47	○	LARC UPWT 1152(1A94A) OTSAT130	-6.000	8.000	2.000	8.000	2.000	SREF	2690.0000	SQ.FT.
MJKA48	□	LARC UPWT 1152(1A94A) OTSAT130	-4.000	8.000	2.000	8.000	2.000	LREF	1290.3000	INCHES
MJKA49	◇	LARC UPWT 1152(1A94A) OTSAT130	.000	8.000	2.000	8.000	2.000	BREF	1290.3000	INCHES
MJKA50	△	LARC UPWT 1152(1A94A) OTSAT130	4.000	8.000	2.000	8.000	2.000	XMRP	976.0000	IN. XT
MJKA51	▽	LARC UPWT 1152(1A94A) OTSAT130	6.000	8.000	2.000	8.000	2.000	YMRP	.0000	IN. YT
								ZMRP	400.0000	IN. ZT
								SCALE	0100	

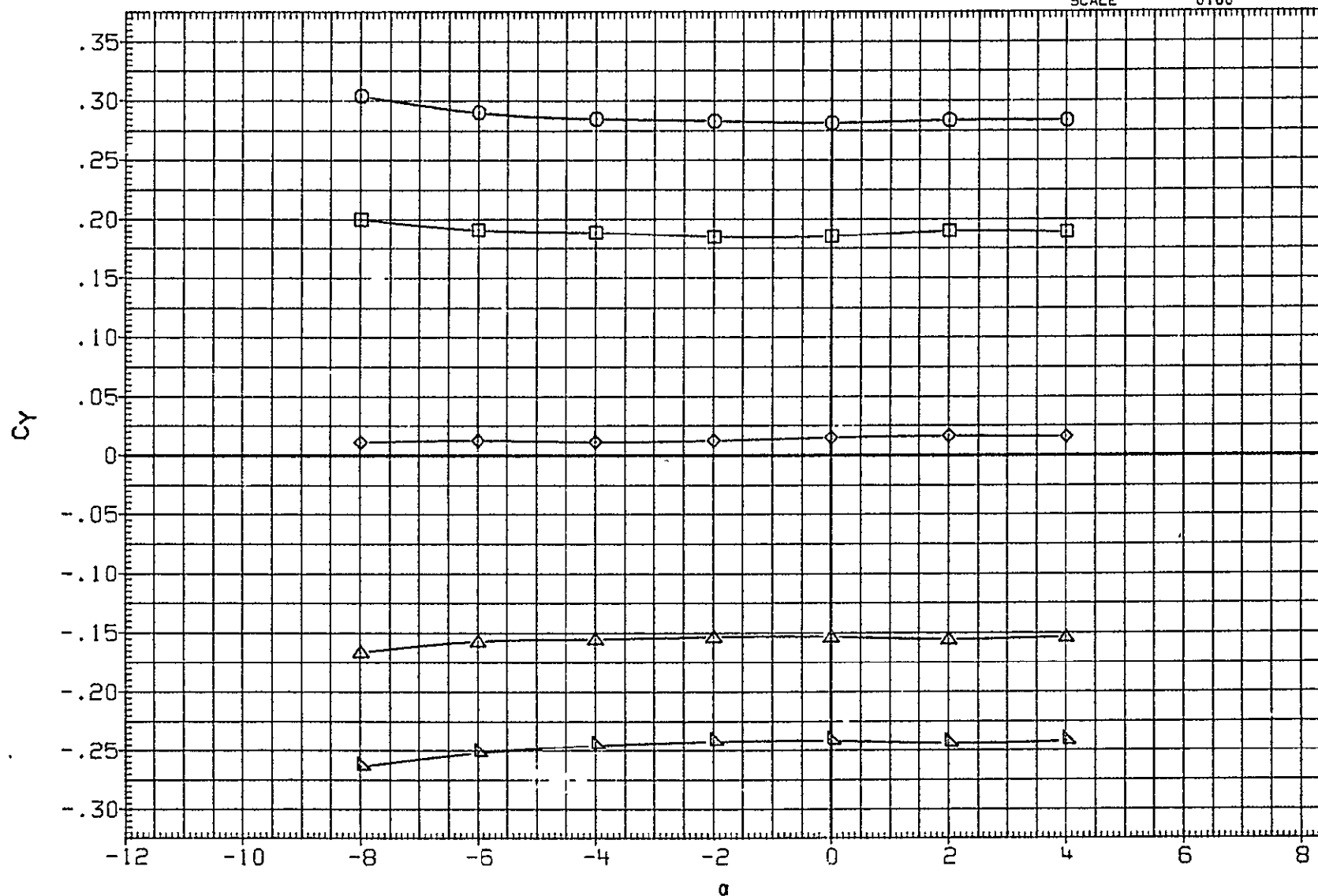


FIG. 5 LATERAL-DIRECTIONAL AERODYNAMIC CHARACTERISTICS

DATA SET	SYMBOL	CONFIGURATION	BETA	ELV-LI	ELV-LO	ELV-RI	ELV-RO	REFERENCE INFORMATION		
MJKA47	○	LARC UPWT 1152(1A94A) OTSAT130	-6.000	8.000	2.000	8.000	2.000	SREF	2690.0000	SQ.FT.
MJKA48	□	LARC UPWT 1152(1A94A) OTSAT130	-4.000	8.000	2.000	8.000	2.000	LREF	1290.3000	INCHES
MJKA49	◇	LARC UPWT 1152(1A94A) OTSAT130	.000	8.000	2.000	8.000	2.000	BREF	1290.3000	INCHES
MJKA50	△	LARC UPWT 1152(1A94A) OTSAT130	4.000	8.000	2.000	8.000	2.000	XMRP	976.0000	IN. XT
MJKA51	▽	LARC UPWT 1152(1A94A) OTSAT130	6.000	8.000	2.000	8.000	2.000	YMRP	.0000	IN. YT
								ZMRP	400.0000	IN. ZT
								SCALE	.0100	

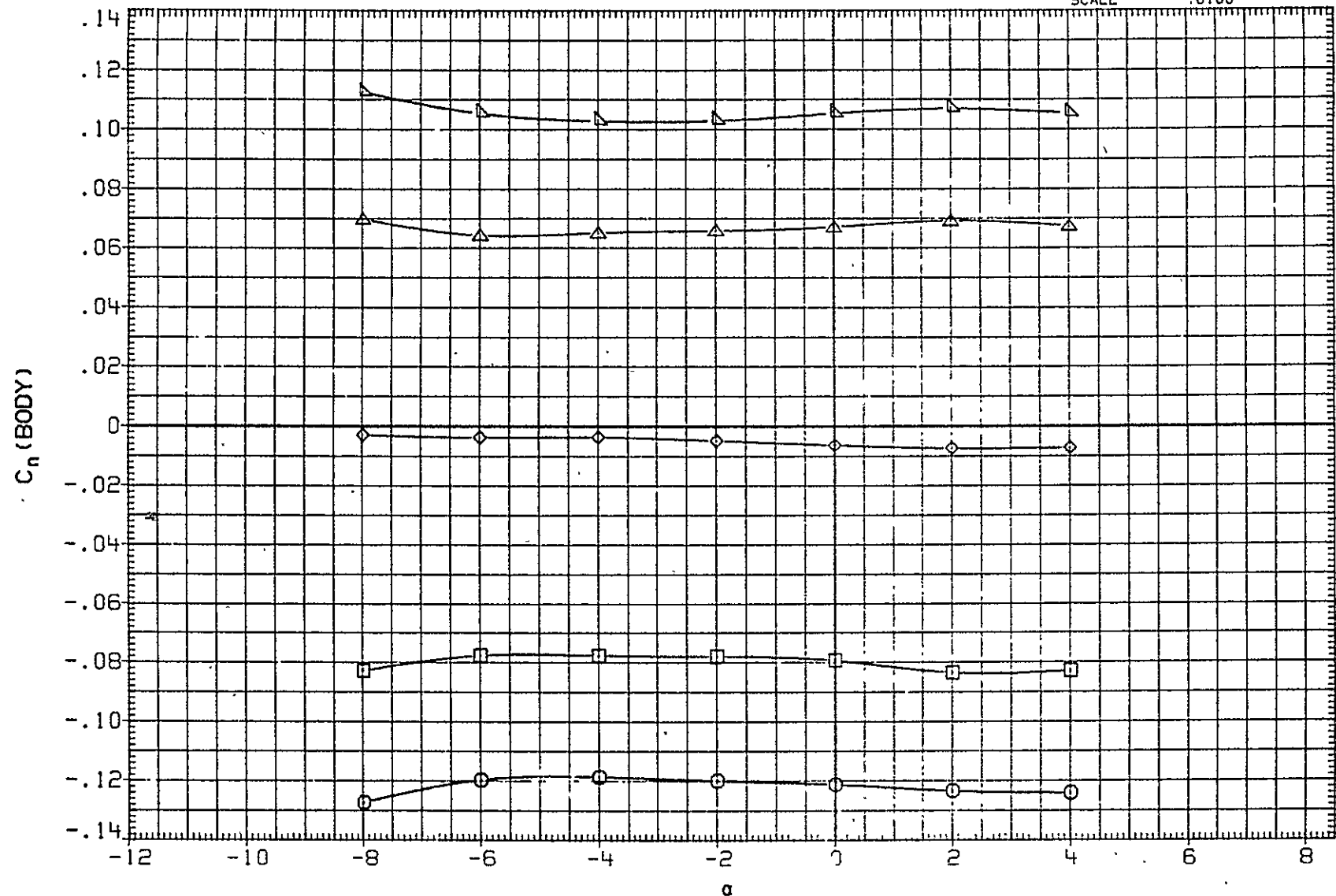


FIG. 5 LATERAL-DIRECTIONAL AERODYNAMIC CHARACTERISTICS

(A) MACH = 1.55

DATA SET	SYMBOL	CONFIGURATION	BETA	ELV-LI	ELV-LO	ELV-RI	ELV-RO	REFERENCE INFORMATION		
MJKA47	○	LARC UPWT 1152(1A94A) OTSAT130	-6.000	8.000	2.000	8.000	2.000	SREF	2690.0000	SQ FT.
MJKA48	□	LARC UPWT 1152(1A94A) OTSAT130	-4.000	8.000	2.000	8.000	2.000	LREF	1290.3000	INCHES
MJKA49	◇	LARC UPWT 1152(1A94A) OTSAT130	.000	8.000	2.000	8.000	2.000	BREF	1290.3000	INCHES
MJKA50	△	LARC UPWT 1152(1A94A) OTSAT130	4.000	8.000	2.000	8.000	2.000	XMRP	976.0000	IN. YT
MJKA51	▽	LARC UPWT 1152(1A94A) OTSAT130	6.000	8.000	2.000	8.000	2.000	YMRP	.0000	IN. YT
								ZMRP	400.0000	IN. ZT
								SCALE	0100	

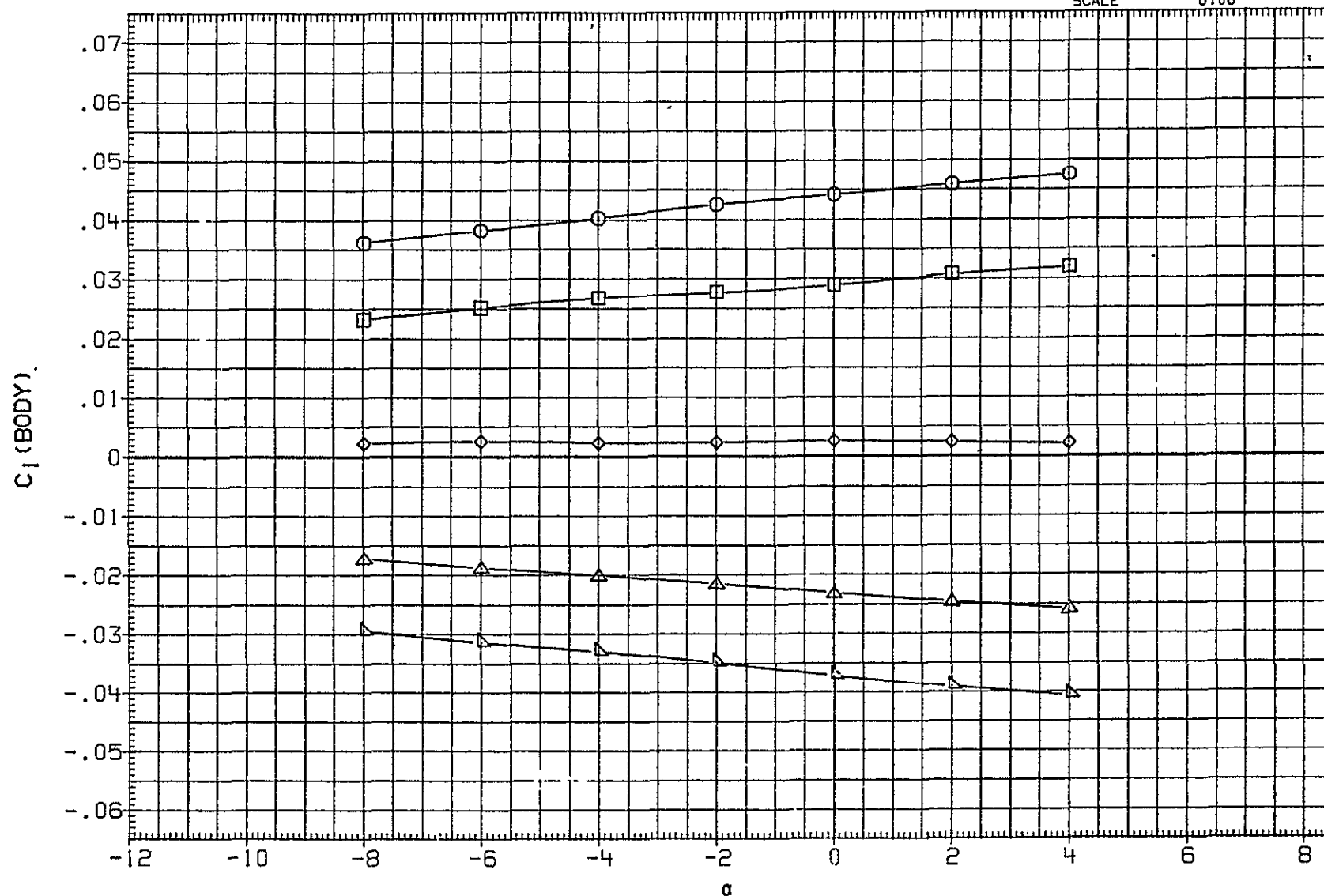


FIG. 5 LATERAL-DIRECTIONAL AERODYNAMIC CHARACTERISTICS

(A) MACH = 1.55

DATA SET	SYMBOL	CONFIGURATION	BETA	ELV-LI	ELV-LO	ELV-RI	ELV-RO	REFERENCE INFORMATION		
MJKA52	○	LARC UPWT 1152(1A94A) OTSAT130	-6.000	8.000	-5.000	8.000	-5.000	SREF	2690.0000	SQ.FT.
MJKA53	□	LARC UPWT 1152(1A94A) OTSAT130	-4.000	8.000	-5.000	8.000	-5.000	LREF	1290.3000	INCHES
MJKA54	◇	LARC UPWT 1152(1A94A) OTSAT130	.000	8.000	-5.000	8.000	-5.000	BREF	1290.3000	INCHES
MJKA55	△	LARC UPWT 1152(1A94A) OTSAT130	4.000	8.000	-5.000	8.000	-5.000	XMRP	976.0000	IN. YT
MJKA56	▽	LARC UPWT 1152(1A94A) OTSAT130	6.000	8.000	-5.000	8.000	-5.000	YMRP	.0000	IN. YT
								ZMRP	400.0000	IN. YT
								SCALE	.0100	

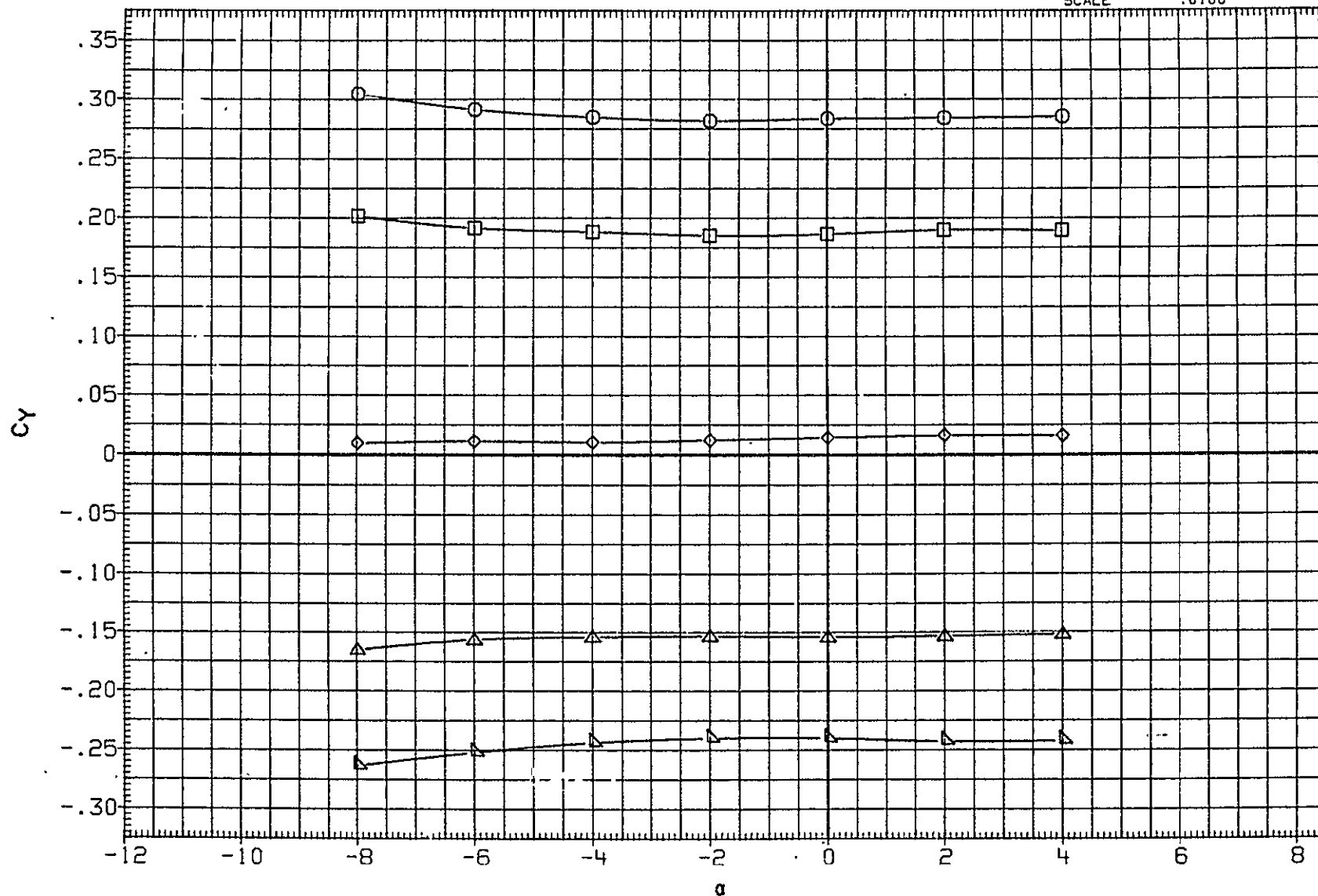


FIG. 5 LATERAL-DIRECTIONAL AERODYNAMIC CHARACTERISTICS

(A) MACH = 1.55

DATA SET	SYMBOL	CONFIGURATION	BETA	ELV-LI	ELV-LO	ELV-RI	ELV-RO	REFERENCE INFORMATION		
MJKA52	○	LARC UPWT 1152(1A94A) OTSAT130	-6.000	8.000	-5.000	8.000	-5.000	SREF	2690.0000	SQ.FT.
MJKA53	□	LARC UPWT 1152(1A94A) OTSAT130	-4.000	8.000	-5.000	8.000	-5.000	LREF	1290.3000	INCHES
MJKA54	◇	LARC UPWT 1152(1A94A) OTSAT130	.000	8.000	-5.000	8.000	-5.000	BREF	1290.3000	INCHES
MJKA55	△	LARC UPWT 1152(1A94A) OTSAT130	4.000	8.000	-5.000	8.000	-5.000	YMRP	976.0000	IN. YT
MJKA56	▽	LARC UPWT 1152(1A94A) OTSAT130	6.000	8.000	-5.000	8.000	-5.000	ZMRP	400.0000	IN. ZT
									SCALE	0100

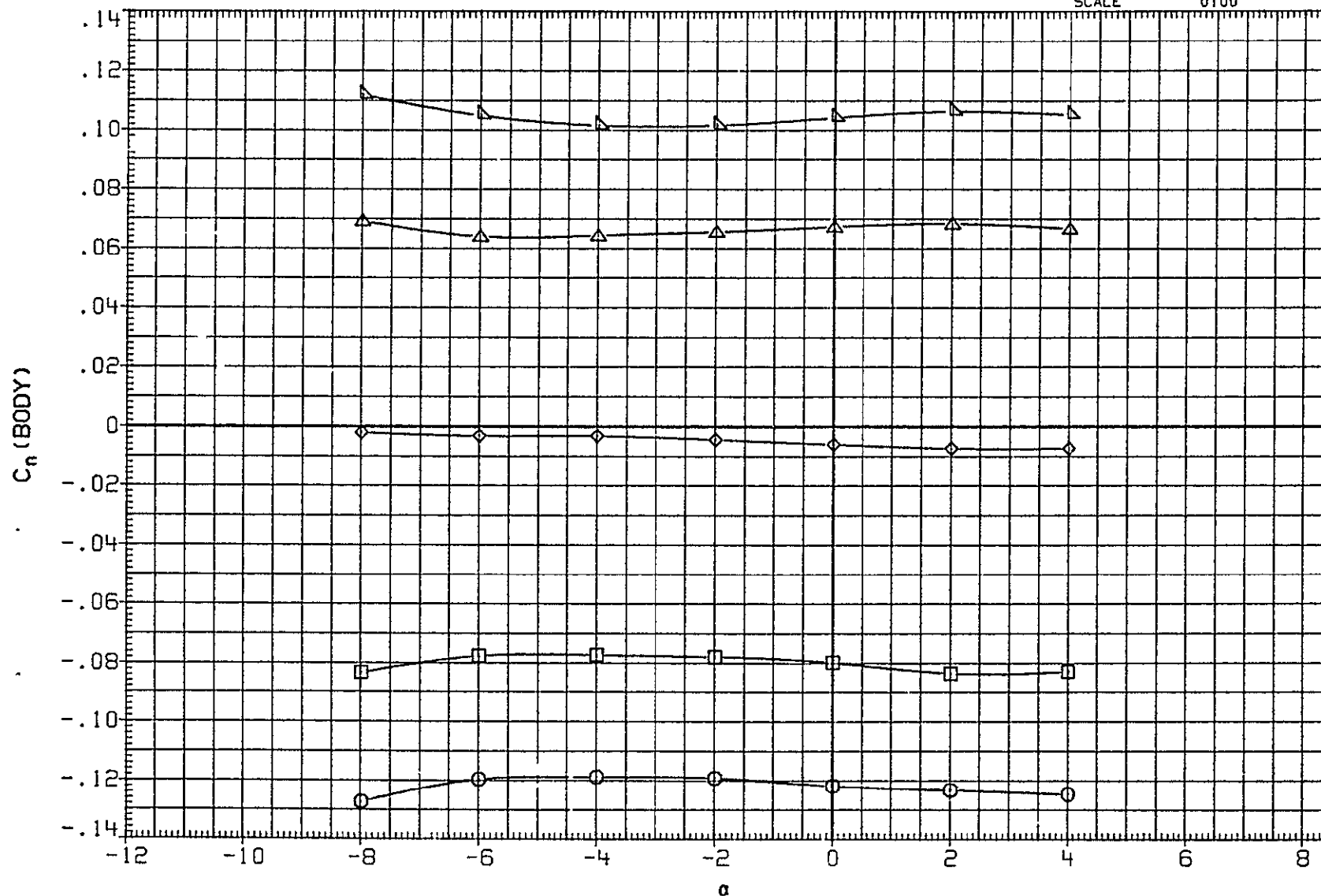


FIG. 5 LATERAL-DIRECTIONAL AERODYNAMIC CHARACTERISTICS

(A) MACH = 1.55

DATA SET	SYMBOL	CONFIGURATION	BETA	ELV-LI	ELV-LO	ELV-RI	ELV-RO	REFERENCE INFORMATION		
MJKA52	○	LARC UPWT 1152(1A94A) OTSAT130	-6.000	8.000	-5.000	8.000	-5.000	SREF	2690.0000	SQ.FT.
MJKA53	□	LARC UPWT 1152(1A94A) OTSAT130	-4.000	8.000	-5.000	8.000	-5.000	LREF	1290.3000	INCHES
MJKA54	◇	LARC UPWT 1152(1A94A) OTSAT130	.000	8.000	-5.000	8.000	-5.000	BREF	1290.3000	INCHES
MJKA55	△	LARC UPWT 1152(1A94A) OTSAT130	4.000	8.000	-5.000	8.000	-5.000	XMRP	976.0000	IN. XT
MJKA56	▽	LARC UPWT 1152(1A94A) OTSAT130	6.000	8.000	-5.000	8.000	-5.000	YMRP	.0000	IN. YT
								ZMRP	400.0000	IN. ZT
								SCALE	.0100	

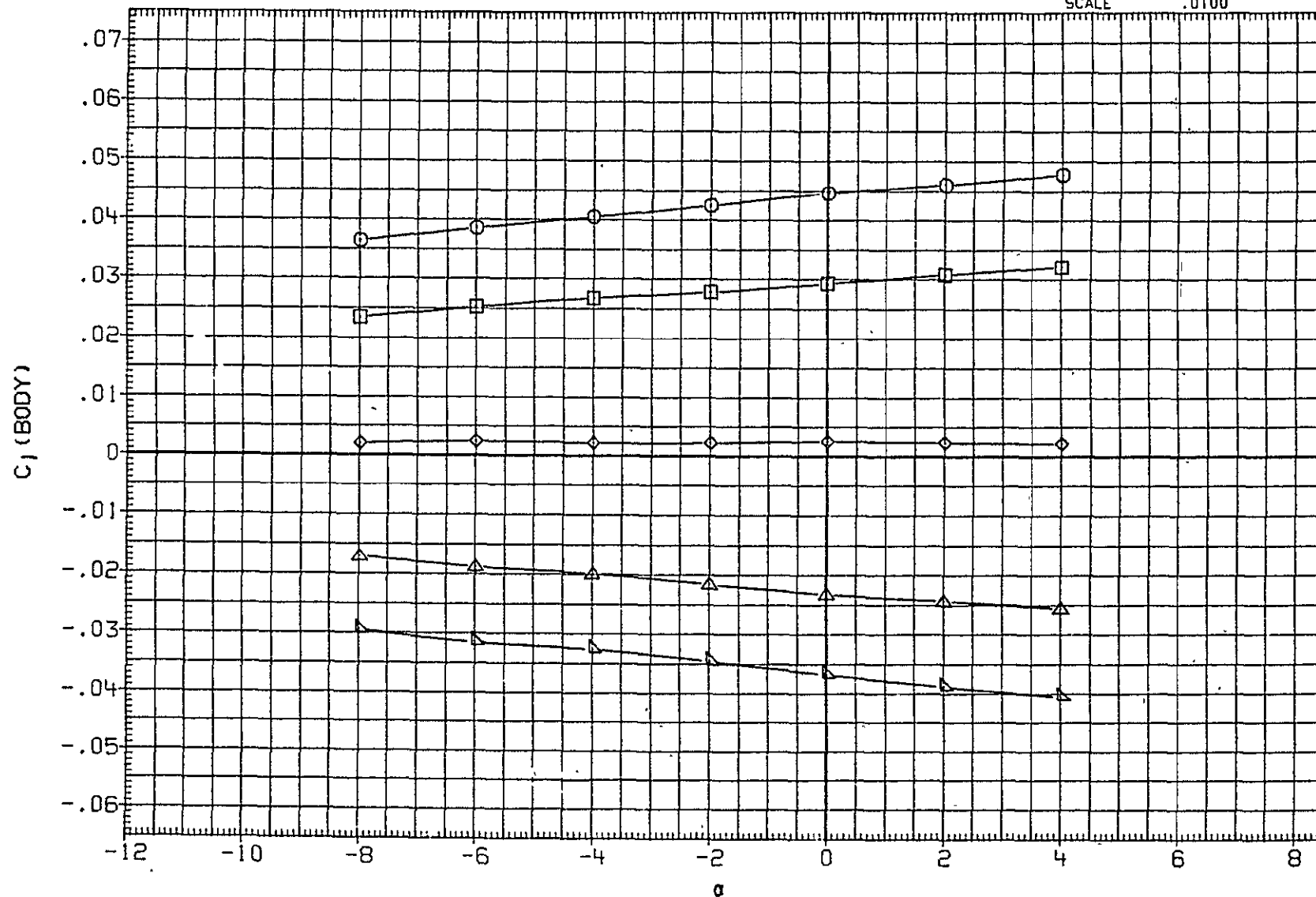


FIG. 5 LATERAL-DIRECTIONAL AERODYNAMIC CHARACTERISTICS

(A) MACH = 1.55

DATA SET	SYMBOL	CONFIGURATION	BETA	ELV-LI	ELV-LO	ELV-RI	ELV-RO	REFERENCE INFORMATION		
MJKA57	○	LARC UPWT 1152(1A94A) OTSAT130	-6.000	8 000	-10.000	8.000	-10 000	SREF	2690.0000	50.FT.
MJKA58	□	LARC UPWT 1152(1A94A) OTSAT130	-4 000	8 000	-10.000	8 000	-10.000	LREF	1290.3000	INCHES
MJKA59	◇	LARC UPWT 1152(1A94A) OTSAT130	.000	8 000	-10.000	8.000	-10 000	BREF	1290.3000	INCHES
MJKA60	△	LARC UPWT 1152(1A94A) OTSAT130	4.000	8 000	-10 000	8 000	-10 000	XMRP	976 0000	IN. YT
MJKA61	▽	LARC UPWT 1152(1A94A) OTSAT130	6.000	8 000	-10.000	8.000	-10 000	YMRP	0000	IN. YT
								ZMRP	400.0000	IN. ZT
								SCALE	0100	

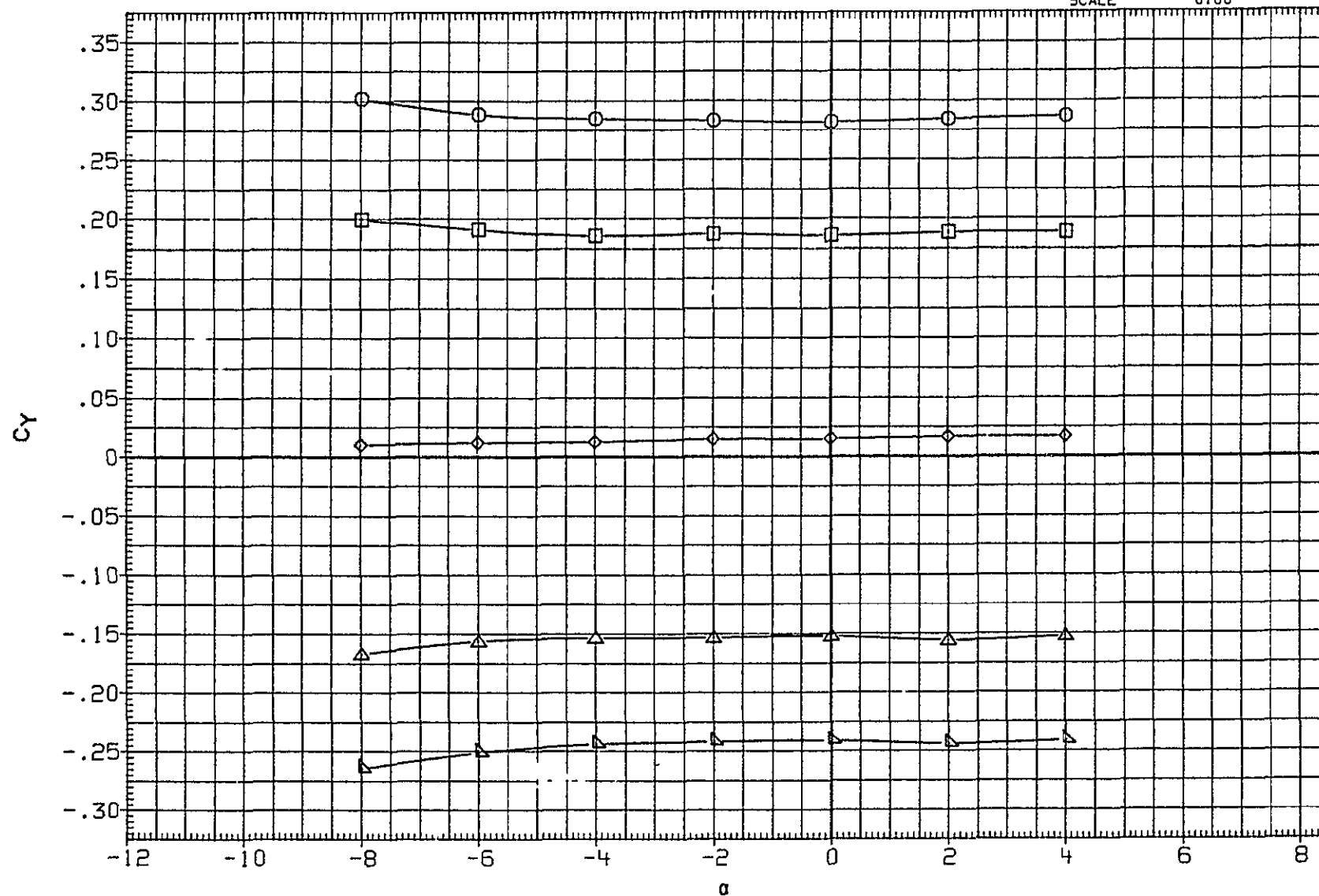


FIG. 5 LATERAL-DIRECTIONAL AERODYNAMIC CHARACTERISTICS

(A) MACH = 1.55

DATA SET	SYMBOL	CONFIGURATION	BETA	ELV-LI	ELV-LO	ELV-RI	ELV-RO	REFERENCE INFORMATION		
MJKA57	○	LARC UPWT 1152(1A94A) OTSAT130	-6.000	8.000	-10.000	8.000	-10.000	SREF	2690.0000	50. FT.
MJKA58	□	LARC UPWT 1152(1A94A) OTSAT130	-4.000	8.000	-10.000	8.000	-10.000	LREF	1290.3000	INCHES
MJKA59	◇	LARC UPWT 1152(1A94A) OTSAT130	.000	8.000	-10.000	8.000	-10.000	BREF	1290.3000	INCHES
MJKA50	△	LARC UPWT 1152(1A94A) OTSAT130	4.000	8.000	-10.000	8.000	-10.000	XMRP	976.0000	IN. XT
MJKA51	▽	LARC UPWT 1152(1A94A) OTSAT130	6.000	8.000	-10.000	8.000	-10.000	YMRP	.0000	IN. YT
								ZMRP	400.0000	IN. ZT
								SCALE	.0100	

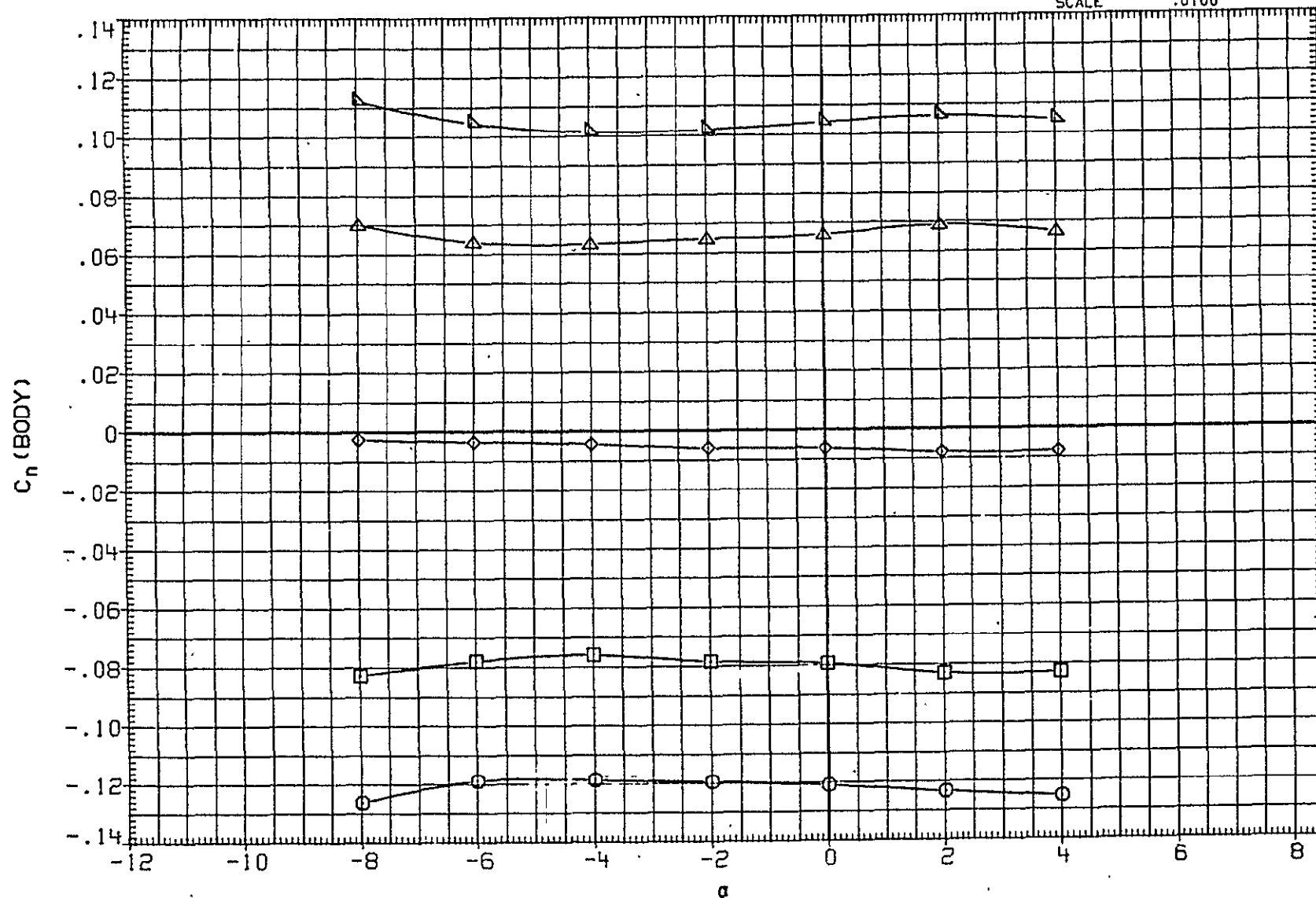


FIG. 5 LATERAL-DIRECTIONAL AERODYNAMIC CHARACTERISTICS

(A) MACH = 1.55

DATA SET	SYMBOL	CONFIGURATION	BETA	ELV-LI	ELV-LO	ELV-RI	ELV-RO	REFERENCE INFORMATION		
MJKA57	○	LARC UPWT 1152(1A94A) OTSAT130	-6.000	8.000	-10.000	8.000	-10.000	SREF	2690.0000	SQ.FT.
MJKA58	□	LARC UPWT 1152(1A94A) OTSAT130	-4.000	8.000	-10.000	8.000	-10.000	LREF	1290.3000	INCHES
MJKA59	◇	LARC UPWT 1152(1A94A) OTSAT130	.000	8.000	-10.000	8.000	-10.000	BREF	1290.3000	INCHES
MJKA60	△	LARC UPWT 1152(1A94A) OTSAT130	4.000	8.000	-10.000	8.000	-10.000	XMRP	975.0000	IN. XT
MJKA61	▽	LARC UPWT 1152(1A94A) OTSAT130	6.000	8.000	-10.000	8.000	-10.000	YMRP	0000	IN. YT
								ZMRP	400.0000	IN. ZT
								SCALE	0100	

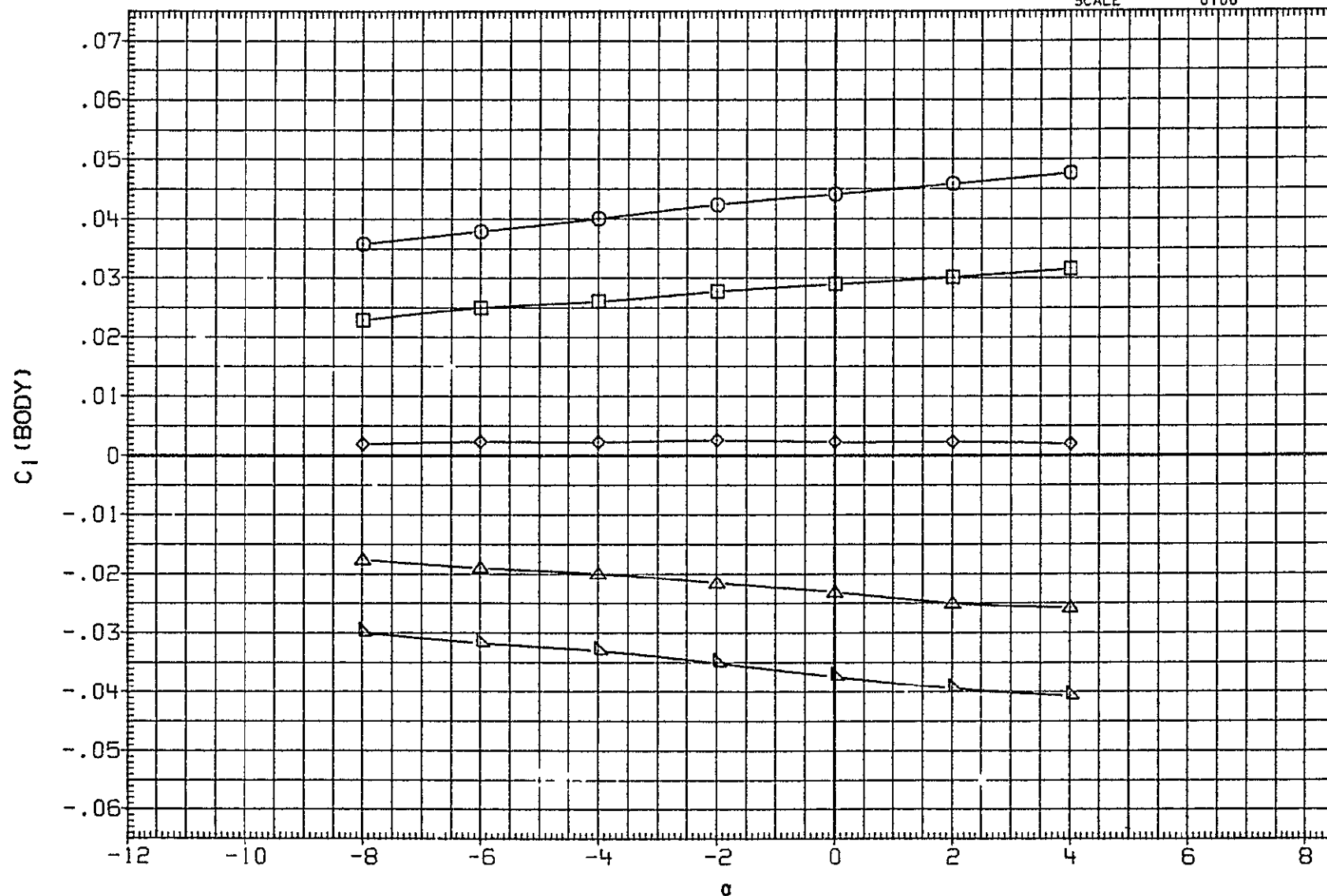


FIG. 5 LATERAL-DIRECTIONAL AERODYNAMIC CHARACTERISTICS

DATA SET	SYMBOL	CONFIGURATION	BETA	ELV-LI	ELV-LO	ELV-RI	ELV-RO	REFERENCE INFORMATION		
MJKA17	○	LARC UPWT 1152(1A94A) OTSAT130	-6.000	10.000	-5.000	10.000	-5.000	SREF	2630.0000	SQ.FT.
MJKA18	□	LARC UPWT 1152(1A94A) OTSAT130	-4.000	10.000	-5.000	10.000	-5.000	LREF	1290.3000	INCHES
MJKA19	◇	LARC UPWT 1152(1A94A) OTSAT130	.000	10.000	-5.000	10.000	-5.000	BREF	1290.3000	INCHES
MJKA20	△	LARC UPWT 1152(1A94A) OTSAT130	4.000	10.000	-5.000	10.000	-5.000	XMRP	976.0000	IN. XT
MJKA21	▽	LARC UPWT 1152(1A94A) OTSAT130	6.000	10.000	-5.000	10.000	-5.000	YMRP	.0000	IN. YT
								ZMRP	400.0000	IN. ZT
								SCALE	.0100	

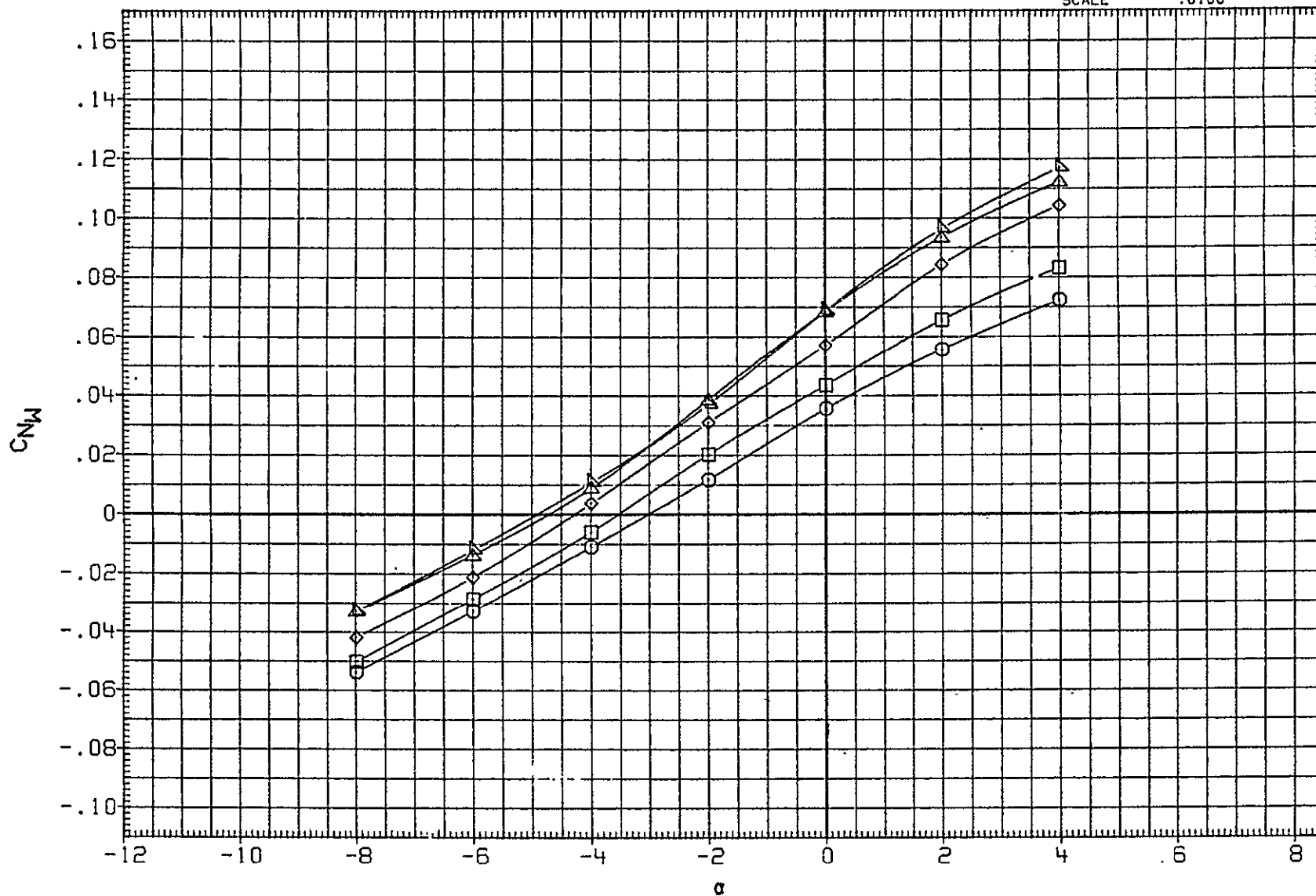


FIG. 6 ORBITER WING SHEAR, BENDING, AND TORSION COEFFICIENTS

(A) MACH = 1.55

DATA SET	SYMBOL	CONFIGURATION	BETA	ELV-LI	ELV-LO	ELV-RI	ELV-RO	REFERENCE INFORMATION		
MJKA17	○	LARC UPWT 1152(1A94A) OTSAT130	-6.000	10 000	-5 000	10.000	-5.000	SREF	2690 0000	50 FT.
MJKA18	□	LARC UPWT 1152(1A94A) OTSAT130	-4.000	10 000	-5.000	10 000	-5.000	LREF	1290 3000	INCHES
MJKA19	◇	LARC UPWT 1152(1A94A) OTSAT130	.000	10.000	-5.000	10 000	-5 000	BREF	1290 3000	INCHES
MJKA20	△	LARC UPWT 1152(1A94A) OTSAT130	4.000	10 000	-5 000	10.000	-5.000	XMRP	976 0000	IN XT
MJKA21	▽	LARC UPWT 1152(1A94A) OTSAT130	6 000	10 000	-5 000	10 000	-5.000	YMRP	0000	IN. YT
								ZMRP	400 0000	IN. ZT
								SCALE	0100	

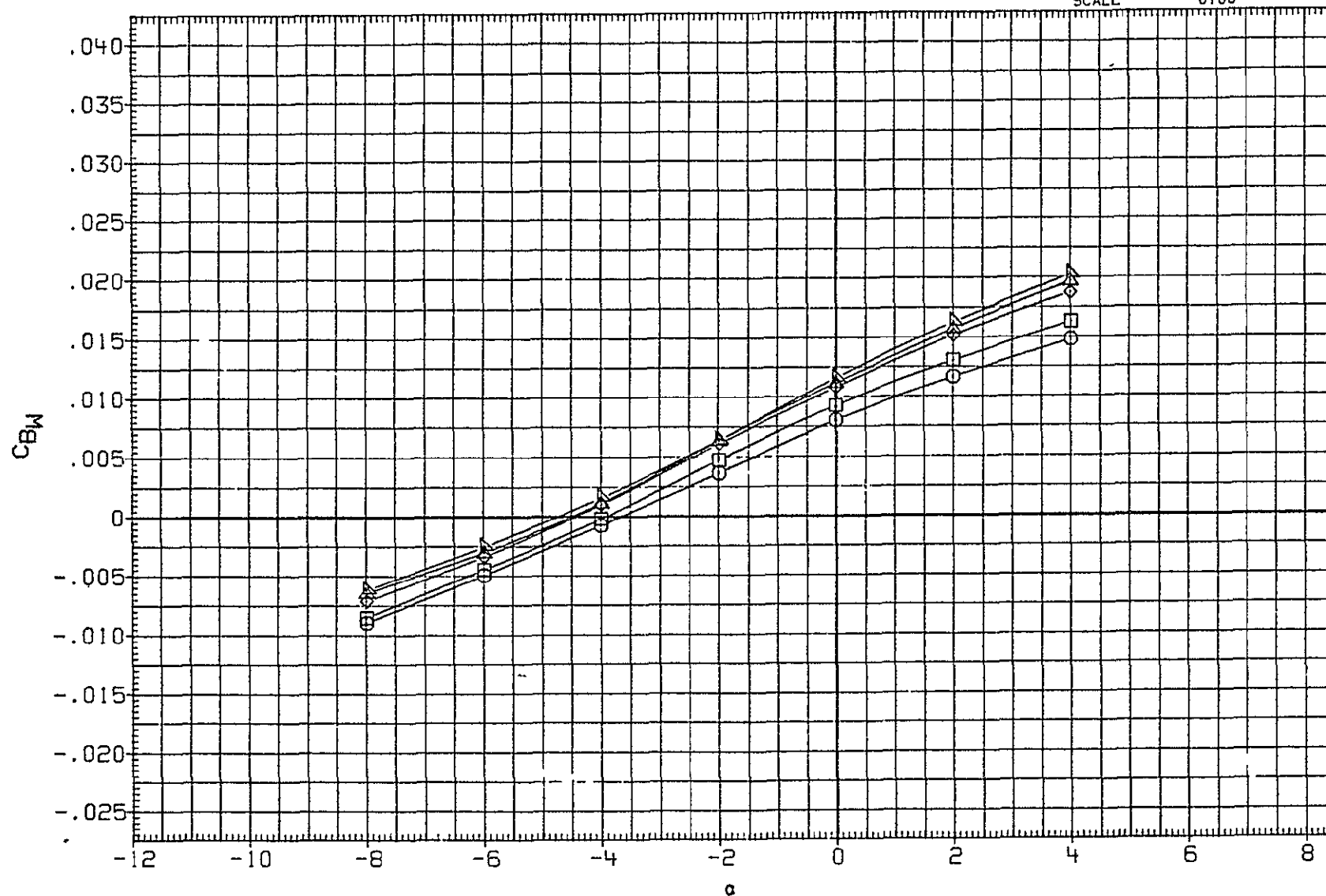


FIG. 6 ORBITER WING SHEAR, BENDING, AND TORSION COEFFICIENTS

DATA SET	SYMBOL	CONFIGURATION	BETA	ELV-LI	ELV-LO	ELV-RI	ELV-RO	REFERENCE INFORMATION		
MJKA17	○	LARC UPWT 1152(1A94A) OTSAT130	-6.000	10.000	-5.000	10.000	-5.000	SREF	2690.0000	SQ.FT.
MJKA18	□	LARC UPWT 1152(1A94A) OTSAT130	-4.000	10.000	-5.000	10.000	-5.000	LREF	1290.3000	INCHES
MJKA19	◇	LARC UPWT 1152(1A94A) OTSAT130	.000	10.000	-5.000	10.000	-5.000	BREF	1290.3000	INCHES
MJKA20	△	LARC UPWT 1152(1A94A) OTSAT130	4.000	10.000	-5.000	10.000	-5.000	XMRP	976.0000	IN. XT
MJKA21	▽	LARC UPWT 1152(1A94A) OTSAT130	6.000	10.000	-5.000	10.000	-5.000	YMRP	.0000	IN. YT
								ZMRP	400.0000	IN. ZT
								SCALE	.0100	

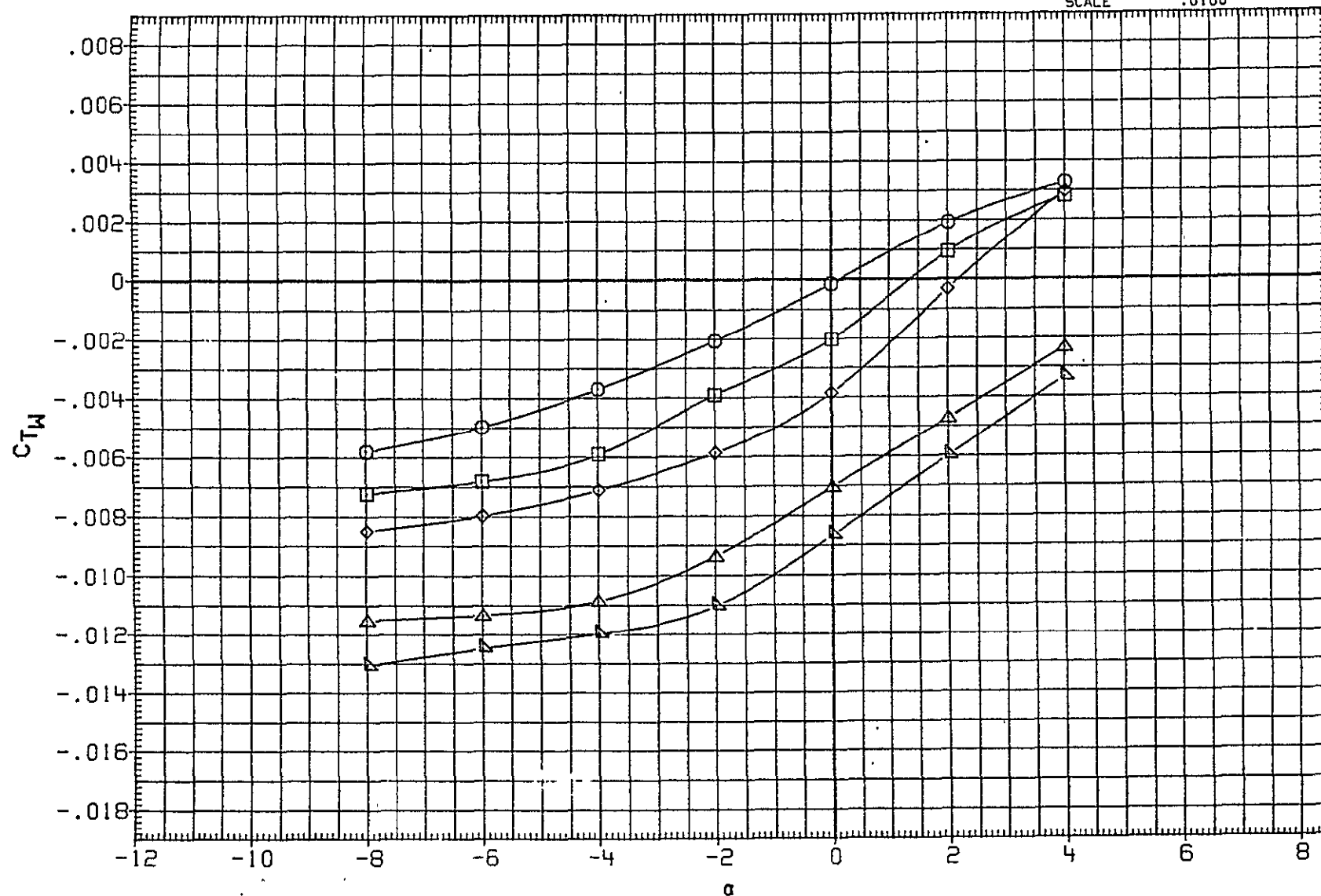


FIG. 6 ORBITER WING SHEAR, BENDING, AND TORSION COEFFICIENTS

(A) MACH = 1.55

DATA SET	SYMBOL	CONFIGURATION	BETA	ELV-LI	ELV-LO	ELV-RI	ELV-RO	REFERENCE INFORMATION		
MJKA22	○	LARC UPWT 1152(1A94A) OTSAT130	-6.000	10.000	2.000	10.000	2.000	SREF	2690.0000	SQ.FT.
MJKA23	□	LARC UPWT 1152(1A94A) OTSAT130	-4.000	10.000	2.000	10.000	2.000	LREF	1290.3000	INCHES
MJKA24	◇	LARC UPWT 1152(1A94A) OTSAT130	.000	10.000	2.000	10.000	2.000	BREF	1290.3000	INCHES
MJKA25	△	LARC UPWT 1152(1A94A) OTSAT130	4.000	10.000	2.000	10.000	2.000	XMRP	976.0000	IN. XT
MJKA26	▽	LARC UPWT 1152(1A94A) OTSAT130	6.000	10.000	2.000	10.000	2.000	YMRP	.0000	IN. YT
								ZMRP	400.0000	IN. ZT
								SCALE	.0100	

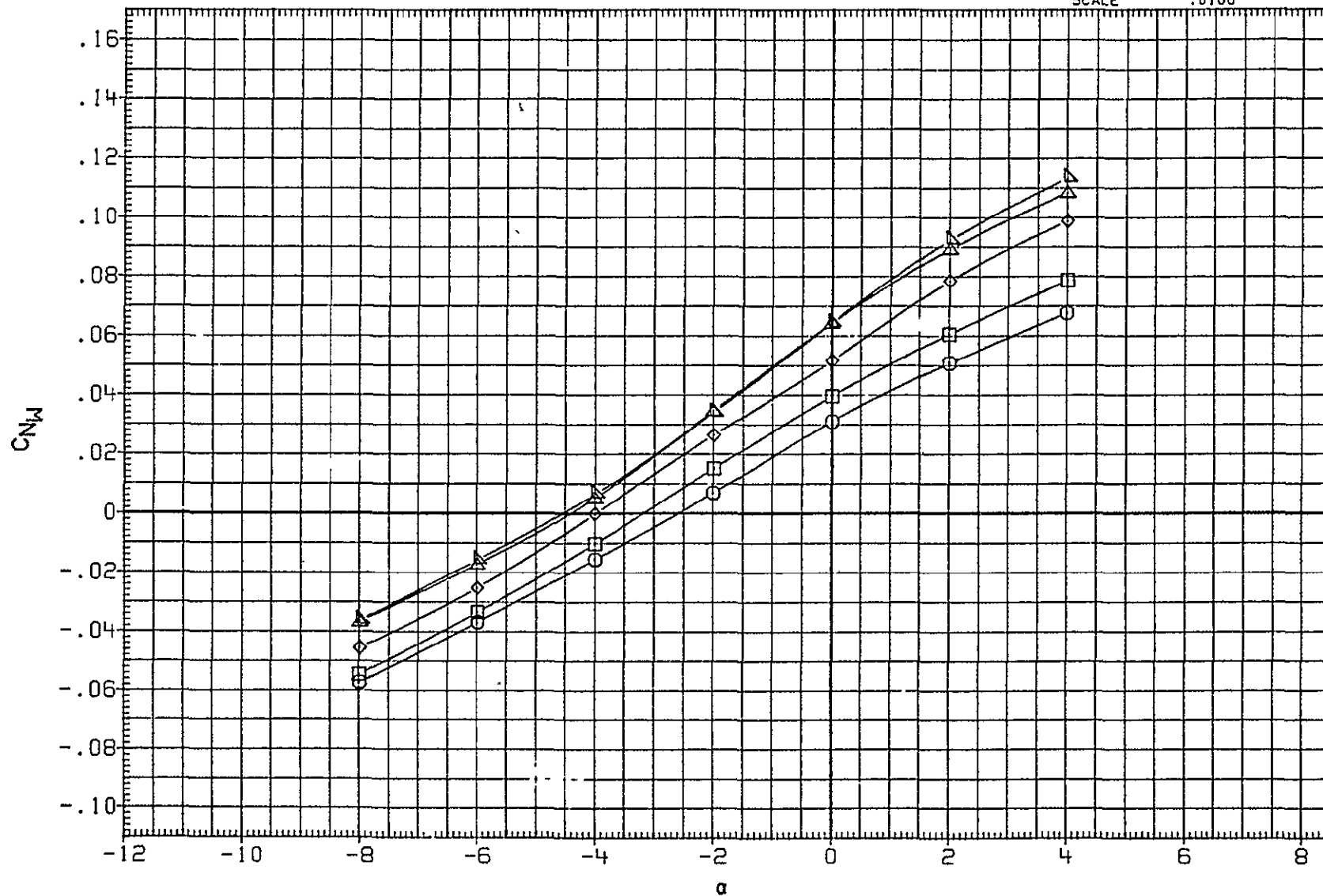


FIG. 6 ORBITER WING SHEAR, BENDING, AND TORSION COEFFICIENTS

(A) MACH = 1.55

DATA SET	SYMBOL	CONFIGURATION	BETA	ELV-LI	ELV-LO	ELV-RI	ELV-RO	REFERENCE INFORMATION		
MJKA22	○	LARC UPWT 1152(1A94A) OTSAT130	-6.000	10.000	2.000	10.000	2.000	SREF	2690.0000	SQ.FT.
MJKA23	◇	LARC UPWT 1152(1A94A) OTSAT130	-4.000	10.000	2.000	10.000	2.000	LREF	1290.3000	INCHES
MJKA24	◇	LARC UPWT 1152(1A94A) OTSAT130	.000	10.000	2.000	10.000	2.000	BREF	1290.3000	INCHES
MJKA25	△	LARC UPWT 1152(1A94A) OTSAT130	4.000	10.000	2.000	10.000	2.000	XMRP	976.0000	IN. XT
MJKA26	△	LARC UPWT 1152(1A94A) OTSAT130	6.000	10.000	2.000	10.000	2.000	YMRP	.0000	IN. YT
								ZMRP	400.0000	IN. ZT
								SCALE	.0100	

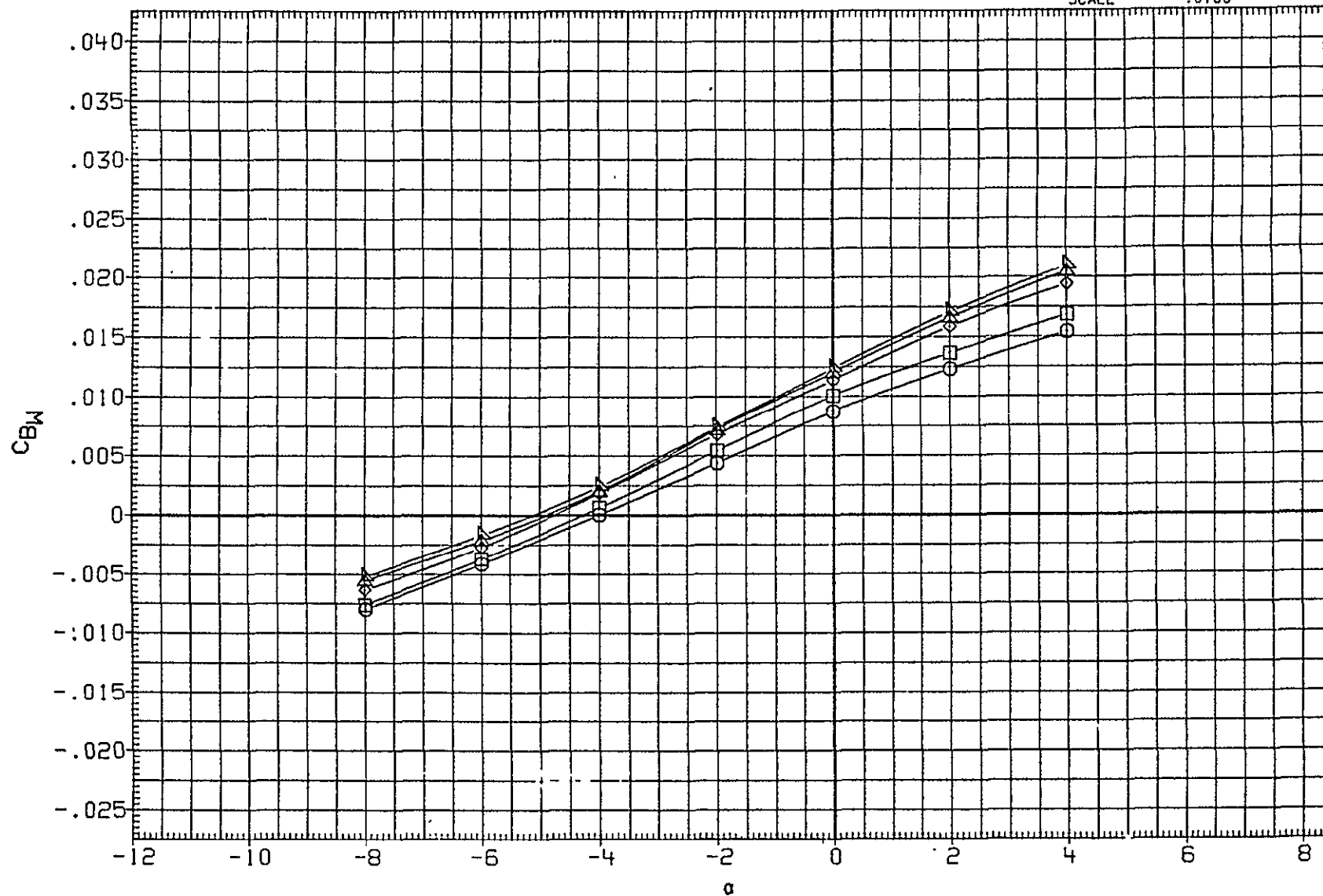


FIG. 6 ORBITER WING SHEAR, BENDING, AND TORSION COEFFICIENTS

(A) MACH = 1.55

DATA SET	SYMBOL	CONFIGURATION	BETA	ELV-LI	ELV-LO	ELV-RI	ELV-RO	REFERENCE INFORMATION		
MJKA22	○	LARC UPWT 1152(1A94A) OTSAT130	-6.000	10.000	2.000	10.000	2.000	SREF	2690.0000	SQ.FT.
MJKA23	□	LARC UPWT 1152(1A94A) OTSAT130	-4.000	10.000	2.000	10.000	2.000	LREF	1290.3000	INCHES
MJKA24	◇	LARC UPWT 1152(1A94A) OTSAT130	.000	10.000	2.000	10.000	2.000	BREF	1290.3000	INCHES
MJKA25	△	LARC UPWT 1152(1A94A) OTSAT130	4.000	10.000	2.000	10.000	2.000	XMRP	976.0000	IN. XT
MJKA26	▽	LARC UPWT 1152(1A94A) OTSAT130	6.000	10.000	2.000	10.000	2.000	YMRP	.0000	IN. YT
								ZMRP	400.0000	IN. ZT
								SCALE	.0100	

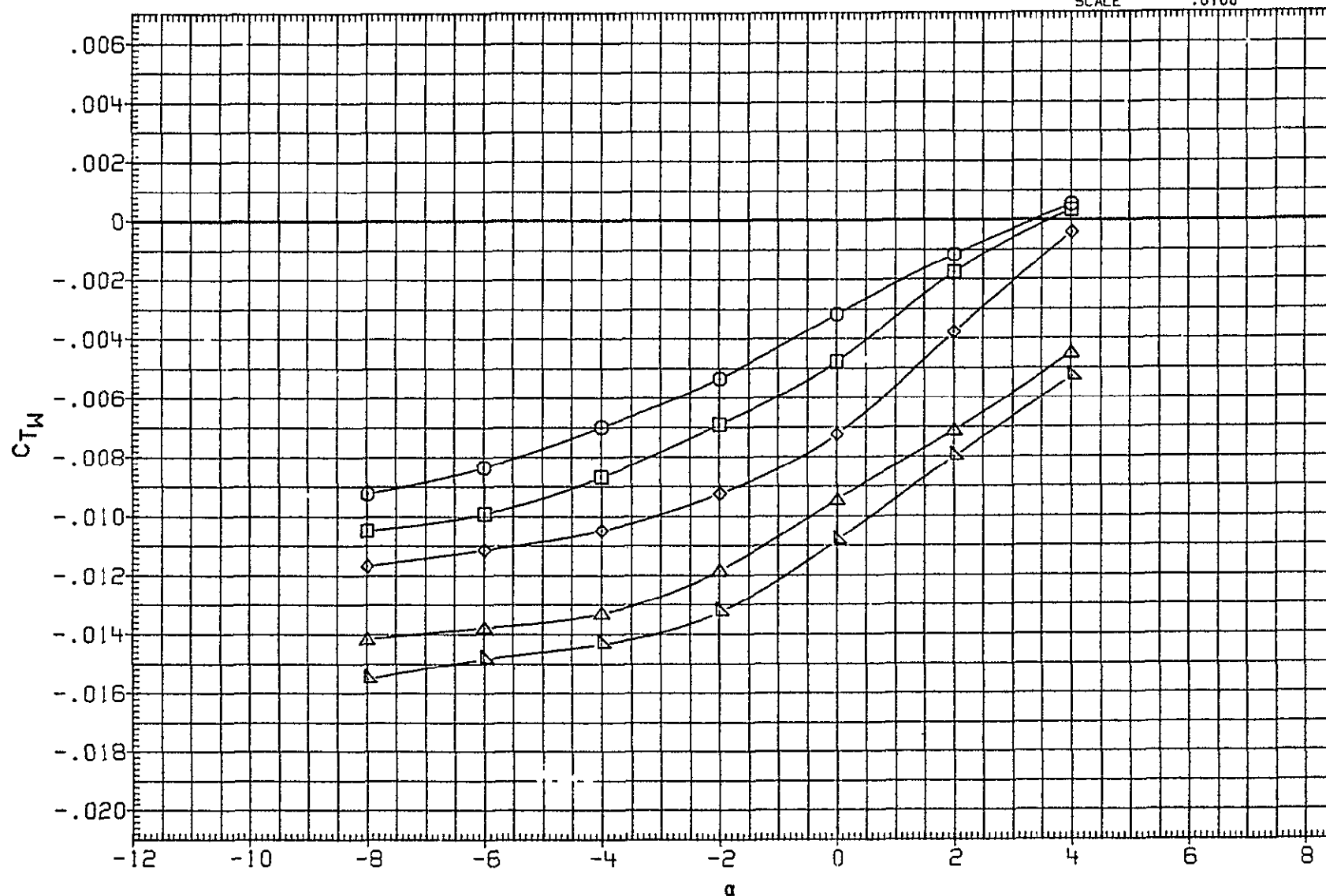


FIG. 6 ORBITER WING SHEAR, BENDING, AND TORSION COEFFICIENTS

DATA SET	SYMBOL	CONFIGURATION	BETA	ELV-LI	ELV-LO	ELV-RI	ELV-RO	REFERENCE INFORMATION		
MJKA27	○	LARC UPWT 1152(1A94A) OTSAT130	-6.000	10.000	-10.000	10.000	-10.000	SREF	2690.0000	SQ.FT.
MJKA28	□	LARC UPWT 1152(1A94A) OTSAT130	-4.000	10.000	-10.000	10.000	-10.000	LREF	1290.3000	INCHES
MJKA29	◇	LARC UPWT 1152(1A94A) OTSAT130	.000	10.000	-10.000	10.000	-10.000	BREF	1290.3000	INCHES
MJKA30	△	LARC UPWT 1152(1A94A) OTSAT130	4.000	10.000	-10.000	10.000	-10.000	XMRP	976.0000	IN. XT
MJKA31	▽	LARC UPWT 1152(1A94A) OTSAT130	6.000	10.000	-10.000	10.000	-10.000	YMRP	.0000	IN. YT
								ZMRP	400.0000	IN. ZT
								SCALE	.0100	

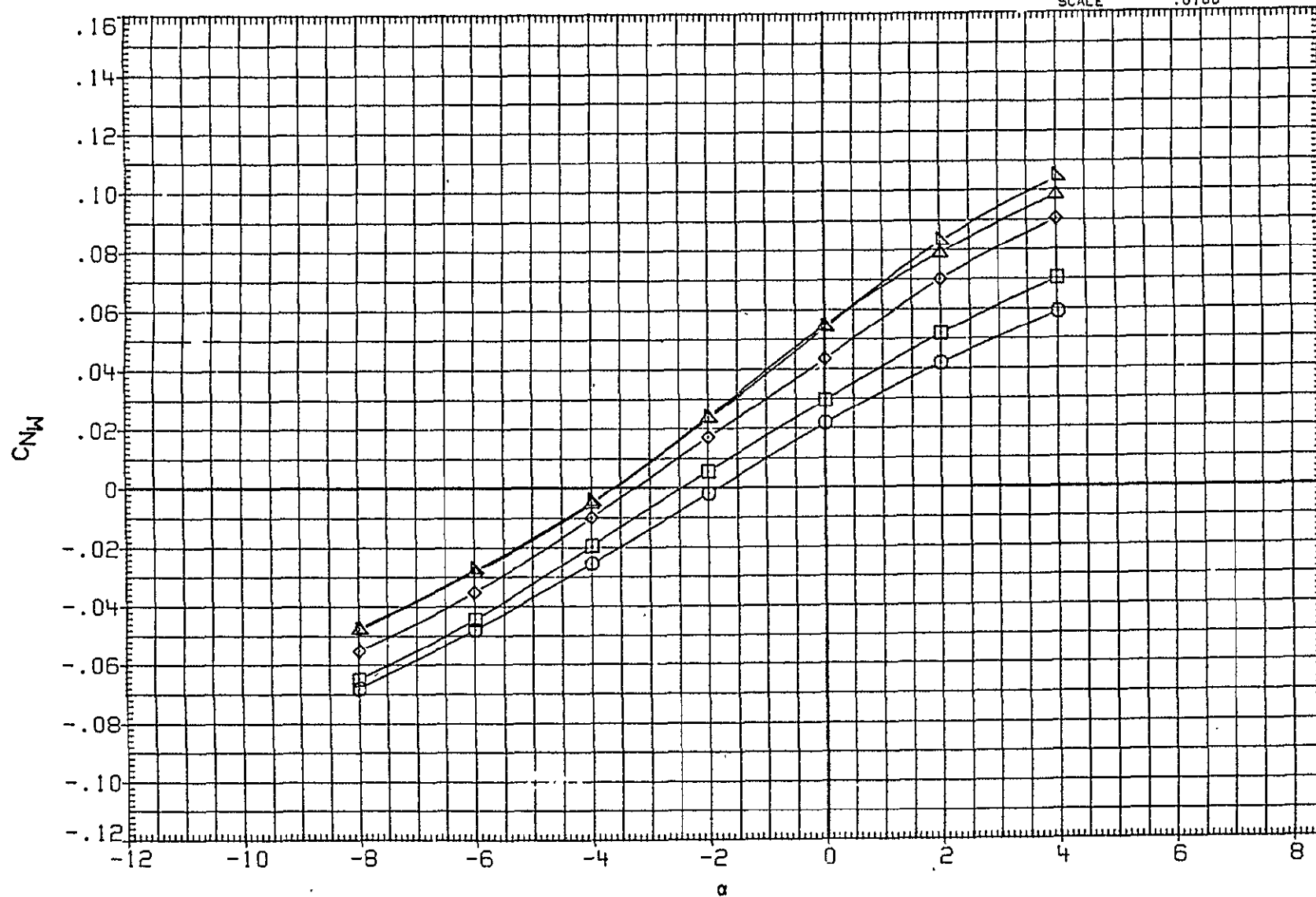


FIG. 6 ORBITER WING SHEAR, BENDING, AND TORSION COEFFICIENTS

(A) MACH = 1.55

DATA SET	SYMBOL	CONFIGURATION	BETA	ELV-LI	ELV-LO	ELV-RI	ELV-RO	REFERENCE INFORMATION		
MJKA27	○	LARC UPWT 1152(1A94A) OTSAT130	-6.000	10.000	-10.000	10.000	-10.000	SREF	2690.0000	SQ FT.
MJKA28	□	LARC UPWT 1152(1A94A) OTSAT130	-4.000	10.000	-10.000	10.000	-10.000	LREF	1290.3000	INCHES
MJKA29	△	LARC UPWT 1152(1A94A) OTSAT130	.000	10.000	-10.000	10.000	-10.000	BREF	1290.3000	INCHES
MJKA30	◇	LARC UPWT 1152(1A94A) OTSAT130	4.000	10.000	-10.000	10.000	-10.000	XMRP	976.0000	IN. XT
MJKA31	▽	LARC UPWT 1152(1A94A) OTSAT130	6.000	10.000	-10.000	10.000	-10.000	YMRP	.0000	IN. YT
								ZMRP	400.0000	IN. ZT
								SCALE	.0100	

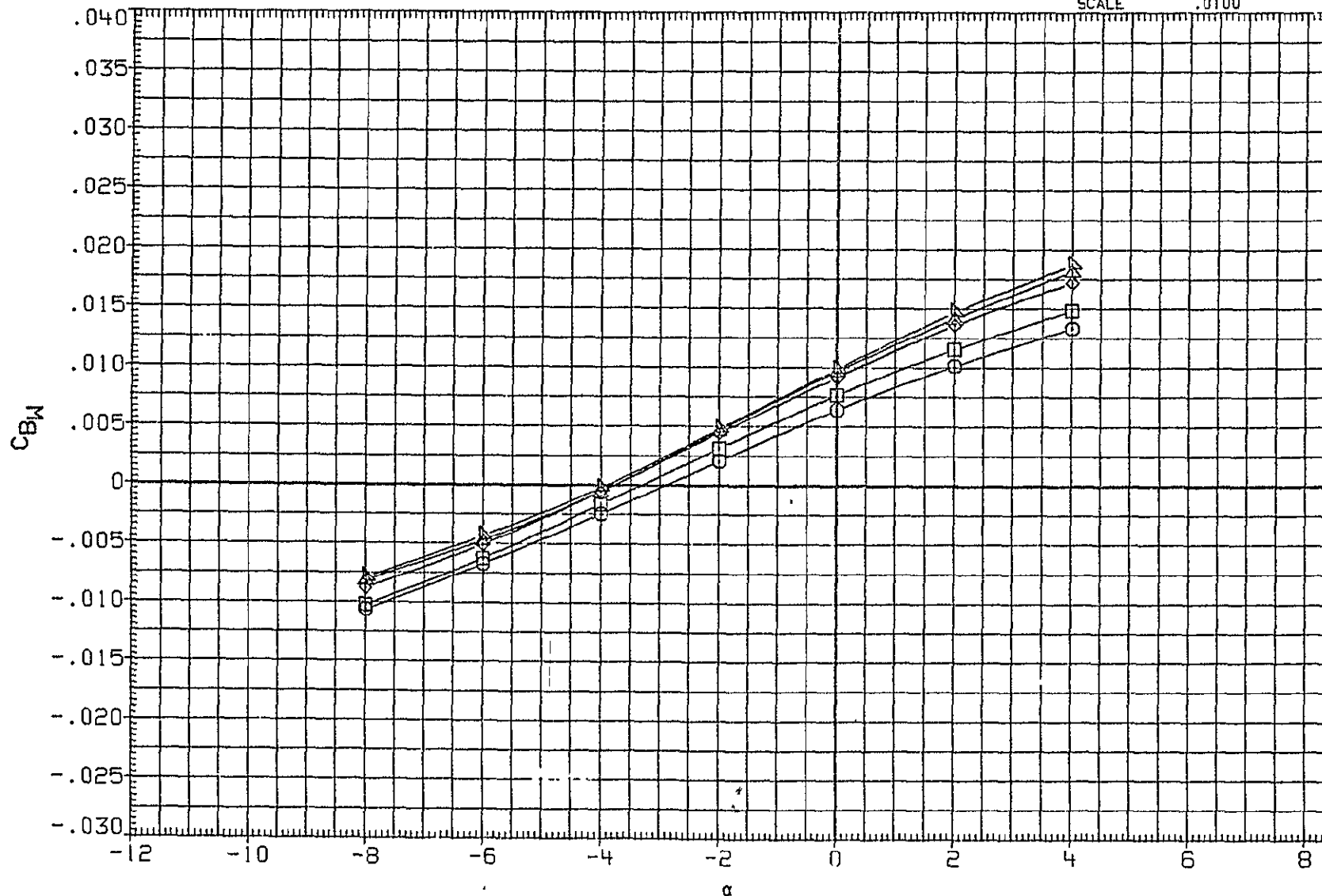


FIG. 6 ORBITER WING SHEAR, BENDING, AND TORSION COEFFICIENTS

(A) MACH = 1.55

DATA SET	SYMBOL	CONFIGURATION	BETA	ELV-LI	ELV-LO	ELV-RI	ELV-RO	REFERENCE INFORMATION		
MJKA27	○	LARC UPWT 1152(1A94A) OTSAT130	-6.000	10.000	-10.000	10.000	-10.000	SREF	2690.0000	SQ.FT.
MJKA28	□	LARC UPWT 1152(1A94A) OTSAT130	-4.000	10.000	-10.000	10.000	-10.000	LREF	1290.3000	INCHES
MJKA29	◇	LARC UPWT 1152(1A94A) OTSAT130	.000	10.000	-10.000	10.000	-10.000	BREF	1290.3000	INCHES
MJKA30	△	LARC UPWT 1152(1A94A) OTSAT130	4.000	10.000	-10.000	10.000	-10.000	XMRP	976.0000	IN. XT
MJKA31	▽	LARC UPWT 1152(1A94A) OTSAT130	6.000	10.000	-10.000	10.000	-10.000	YMRP	.0000	IN. YT
								ZMRP	400.0000	IN. ZT
								SCALE	.0100	

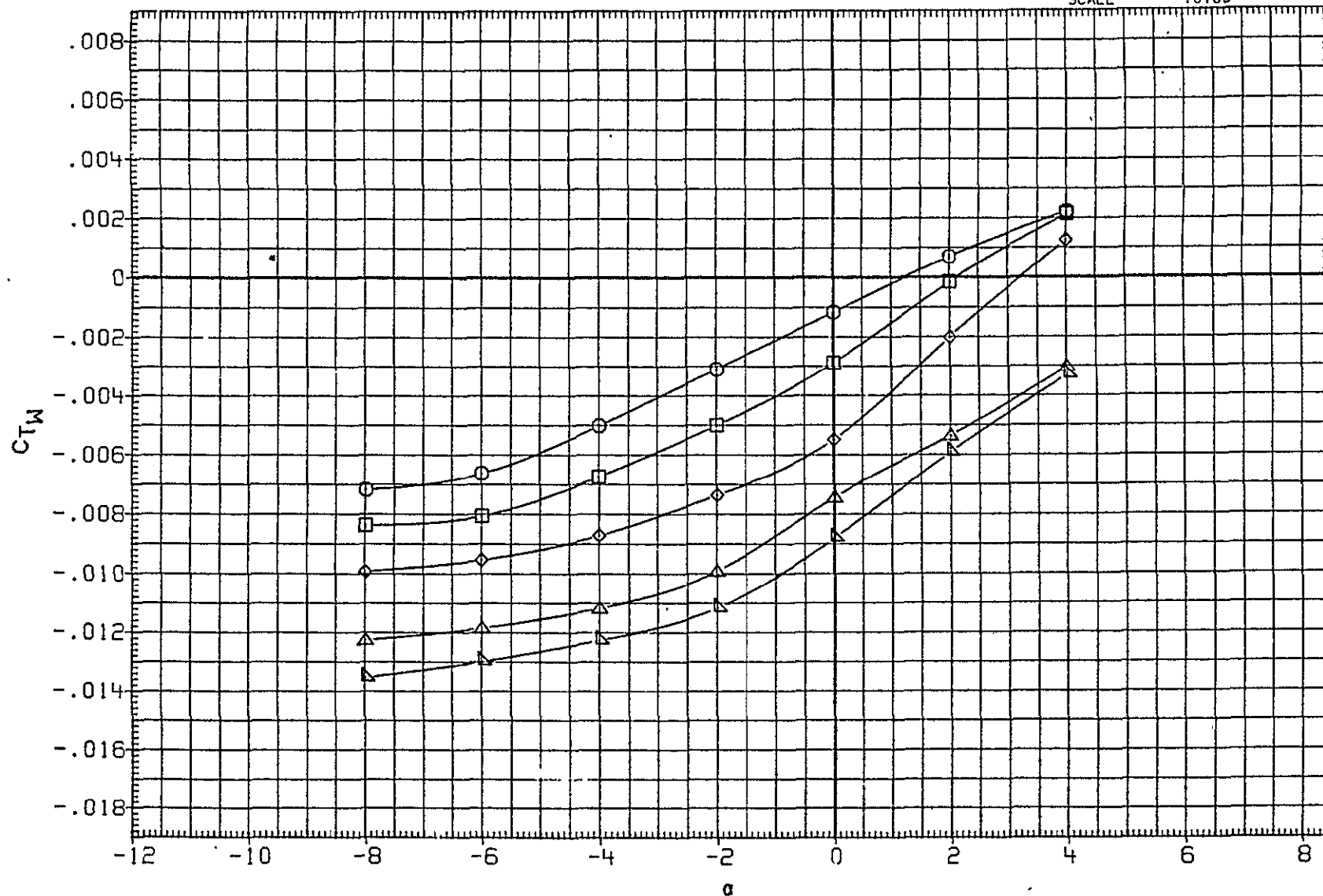


FIG. 6 ORBITER WING SHEAR, BENDING, AND TORSION COEFFICIENTS

(A) MACH = 1.55

DATA SET SYMBOL	CONFIGURATION	BETA	ELV-LI	ELV-LO	ELV-RI	ELV-RO	REFERENCE INFORMATION		
MJKA32	○ LARC UPWT 1152(1A94A) OTSAT130	-6.000	12 000	-10.000	12.000	-10.000	SREF	2690.0000	SQ.FT.
MJKA33	□ LARC UPWT 1152(1A94A) OTSAT130	-4.000	12.000	-10.000	12.000	-10.000	LREF	1290.3000	INCHES
MJKA34	◇ LARC UPWT 1152(1A94A) OTSAT130	.000	12 000	-10.000	12.000	-10.000	BREF	1290 3000	INCHES
MJKA35	△ LARC UPWT 1152(1A94A) OTSAT130	4.000	12.000	-10.000	12 000	-10.000	XMRP	976.0000	IN. XT
MJKA36	▽ LARC UPWT 1152(1A94A) OTSAT130	6.000	12 000	-10 000	12.000	-10 000	YMRP	.0000	IN. YT
							ZMRP	400.0000	IN. ZT
							SCALE	0100	

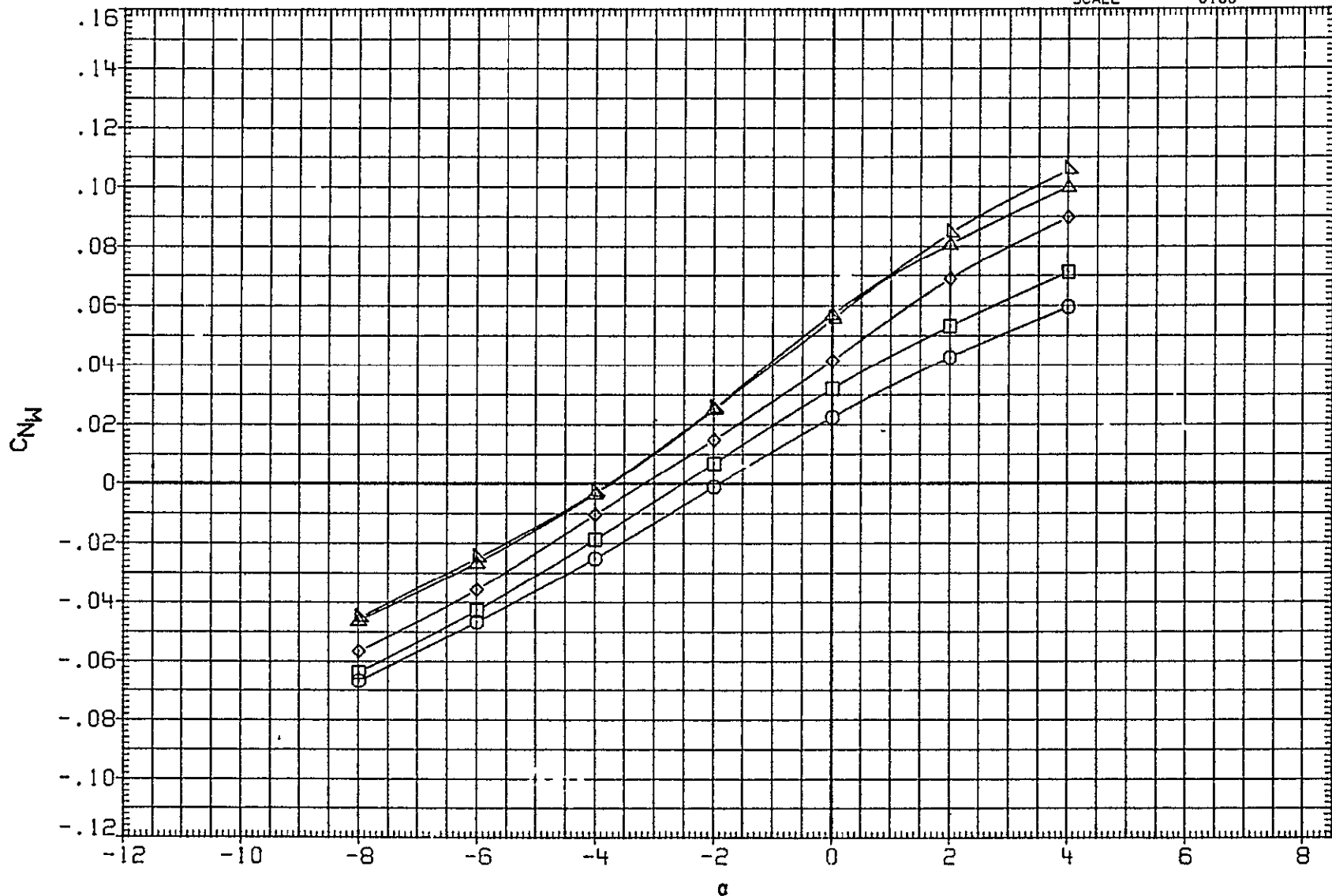


FIG. 6 ORBITER WING SHEAR, BENDING, AND TORSION COEFFICIENTS

DATA SET	SYMBOL	CONFIGURATION	BETA	ELV-LI	ELV-LO	ELV-RI	ELV-RO	REFERENCE INFORMATION		
MJKA32	○	LARC UPWT 1152(1A94A) OTSAT130	-6.000	12.000	-10.000	12.000	-10.000	SREF	2690.0000	SQ.FT.
MJKA33	□	LARC UPWT 1152(1A94A) OTSAT130	-4.000	12.000	-10.000	12.000	-10.000	LREF	1290.3000	INCHES
MJKA34	◇	LARC UPWT 1152(1A94A) OTSAT130	.000	12.000	-10.000	12.000	-10.000	BREF	1290.3000	INCHES
MJKA35	△	LARC UPWT 1152(1A94A) OTSAT130	4.000	12.000	-10.000	12.000	-10.000	XMRP	976.0000	IN. XT
MJKA36	▽	LARC UPWT 1152(1A94A) OTSAT130	6.000	12.000	-10.000	12.000	-10.000	YMRP	.0000	IN. YT
								ZMRP	400.0000	IN. ZT
								SCALE	.0100	

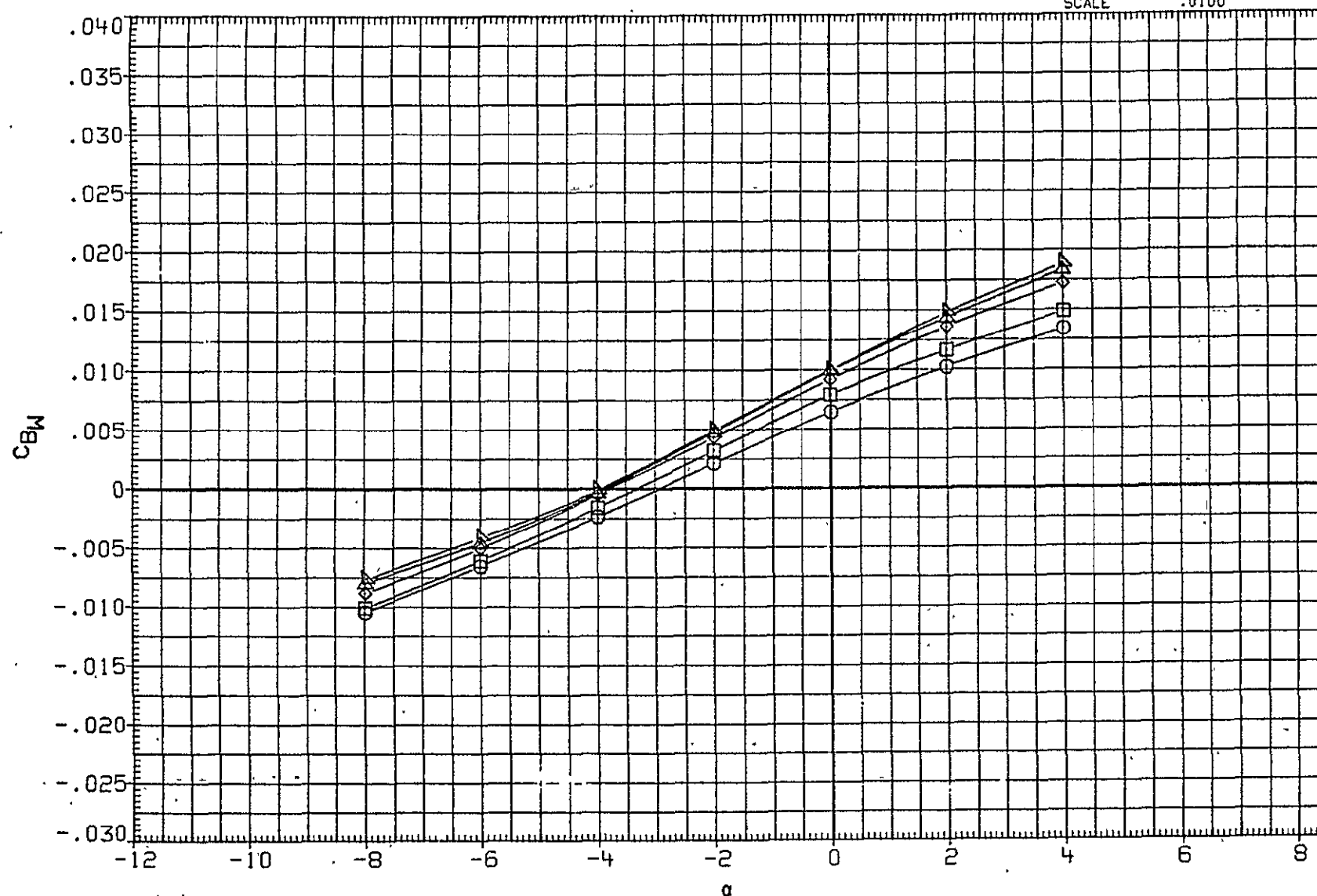


FIG. 6 ORBITER WING SHEAR, BENDING, AND TORSION COEFFICIENTS

(A) MACH = 1.55

DATA SET	SYMBOL	CONFIGURATION	BETA	ELV-LI	ELV-LO	ELV-RI	ELV-RO	REFERENCE INFORMATION		
MJKA32	○	LARC UPWT 1152(1A94A) OTSAT130	-6.000	12.000	-10.000	12.000	-10.000	SREF	2690.0000	50. FT.
MJKA33	□	LARC UPWT 1152(1A94A) OTSAT130	-4.000	12.000	-10.000	12.000	-10.000	LREF	1290.3000	INCHES
MJKA34	◇	LARC UPWT 1152(1A94A) OTSAT130	.000	12.000	-10.000	12.000	-10.000	BREF	1290.3000	INCHES
MJKA35	△	LARC UPWT 1152(1A94A) OTSAT130	4.000	12.000	-10.000	12.000	-10.000	XMRP	976.0000	IN. XT
MJKA36	▽	LARC UPWT 1152(1A94A) OTSAT130	6.000	12.000	-10.000	12.000	-10.000	YMRP	.0000	IN. YT
								ZMRP	400.0000	IN. ZT
								SCALE	.0100	

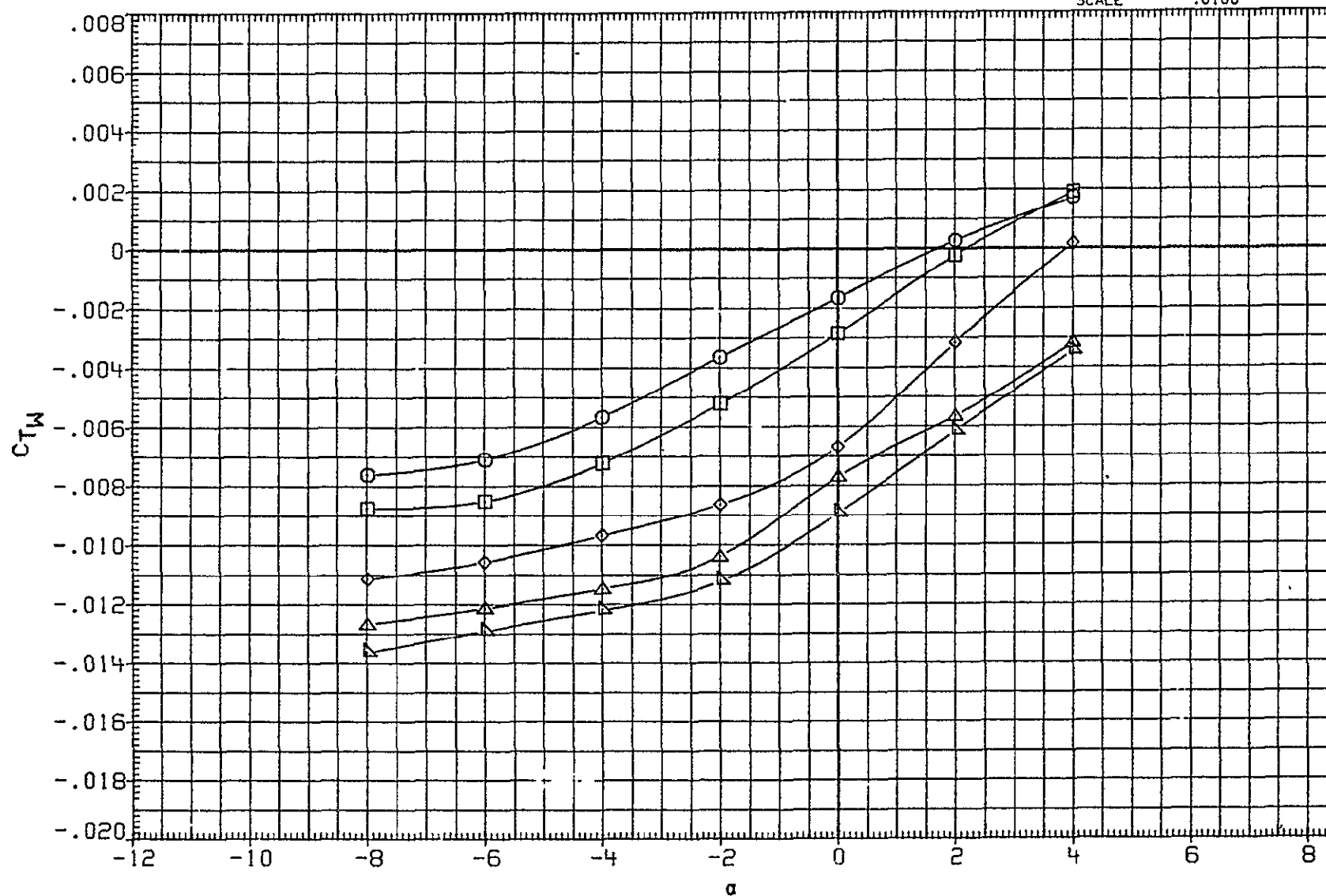


FIG. 6 ORBITER WING SHEAR, BENDING, AND TORSION COEFFICIENTS

DATA SET	SYMBOL	CONFIGURATION	BETA	ELV-LI	ELV-LO	ELV-RI	ELV-RO	REFERENCE INFORMATION		
MJKA37	○	LARC UPWT 1152(1A94A) OTSAT130	-6.000	12.000	-5.000	12.000	-5.000	SREF	2690.0000	50.FT.
MJKA38	□	LARC UPWT 1152(1A94A) OTSAT130	-4.000	12.000	-5.000	12.000	-5.000	LREF	1290.3000	INCHES
MJKA39	◇	LARC UPWT 1152(1A94A) OTSAT130	.000	12.000	-5.000	12.000	-5.000	BREF	1290.3000	INCHES
MJKA40	△	LARC UPWT 1152(1A94A) OTSAT130	4.000	12.000	-5.000	12.000	-5.000	XMRP	976.0000	IN. XT
MJKA41	▽	LARC UPWT 1152(1A94A) OTSAT130	6.000	12.000	-5.000	12.000	-5.000	YMRP	7.0000	IN. YT
								ZMRP	400.0000	IN. ZT
								SCALE	.0100	

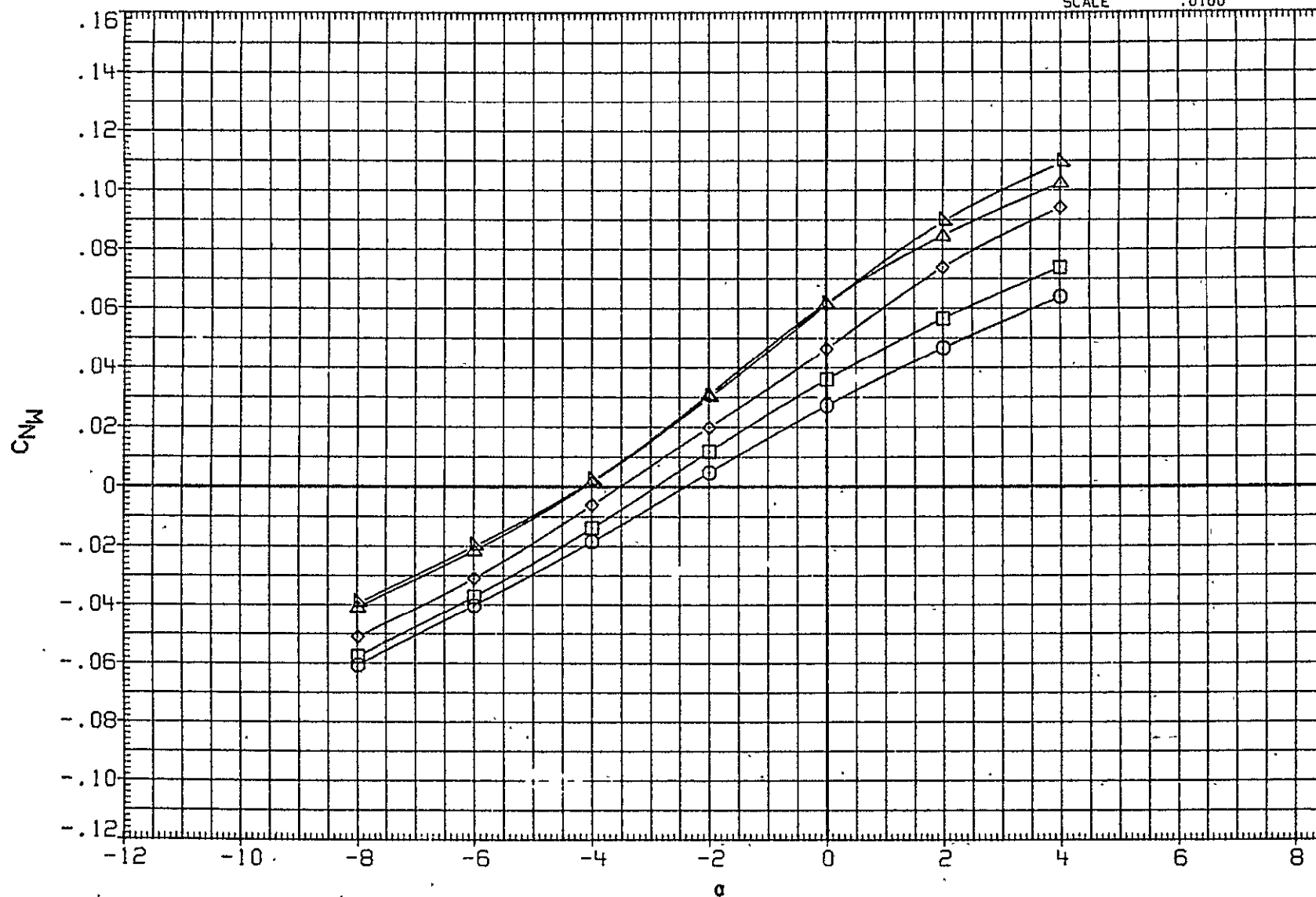


FIG. 6 ORBITER WING SHEAR, BENDING, AND TORSION COEFFICIENTS

(A) MACH = 1.55

DATA SET	SYMBOL	CONFIGURATION	BETA	ELV-LI	ELV-LO	ELV-RI	ELV-RO	REFERENCE INFORMATION		
MJKA37	○	LARC UPWT 1152(1A94A) OTSAT130	-6.000	12.000	-5.000	12.000	-5.000	SREF	2690.0000	50 FT.
MJKA38	□	LARC UPWT 1152(1A94A) OTSAT130	-4.000	12.000	-5.000	12.000	-5.000	LREF	1290.3000	INCHES
MJKA39	◇	LARC UPWT 1152(1A94A) OTSAT130	.000	12.000	-5.000	12.000	-5.000	BREF	1290.3000	INCHES
MJKA40	△	LARC UPWT 1152(1A94A) OTSAT130	4.000	12.000	-5.000	12.000	-5.000	XMRP	976.0000	IN. XT
MJKA41	▽	LARC UPWT 1152(1A94A) OTSAT130	6.000	12.000	-5.000	12.000	-5.000	YMRP	.0000	IN. YT
								ZMRP	400.0000	IN. ZT
								SCALE	0100	

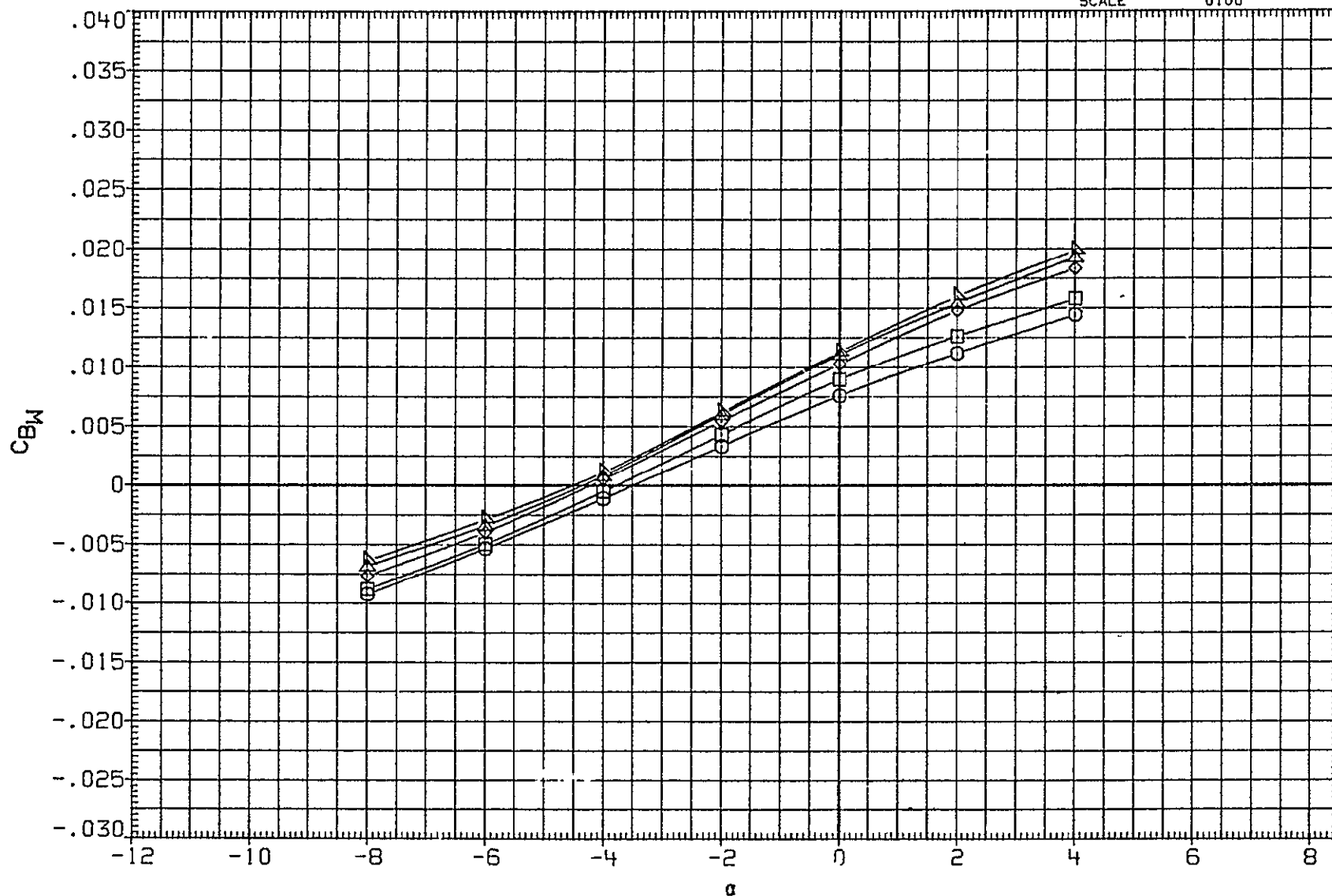


FIG. 6 ORBITER WING SHEAR, BENDING, AND TORSION COEFFICIENTS

DATA SET	SYMBOL	CONFIGURATION	BETA	ELV-LI	ELV-LO	ELV-RI	ELV-RO	REFERENCE INFORMATION		
MJKA37	○	LARC UPWT 1152(1A94A) OTSAT130	-6.000	12.000	-5.000	12.000	-5.000	SREF	2690.0000	SQ.FT.
MJKA38	□	LARC UPWT 1152(1A94A) OTSAT130	-4.000	12.000	-5.000	12.000	-5.000	LREF	1290.3000	INCHES
MJKA39	◇	LARC UPWT 1152(1A94A) OTSAT130	.000	12.000	-5.000	12.000	-5.000	BREF	1290.3000	INCHES
MJKA40	△	LARC UPWT 1152(1A94A) OTSAT130	4.000	12.000	-5.000	12.000	-5.000	XMRP	976.0000	IN. XT
MJKA41	▽	LARC UPWT 1152(1A94A) OTSAT130	6.000	12.000	-5.000	12.000	-5.000	YMRP	.0000	IN. YT
								ZMRP	400.0000	IN. ZT
								SCALE	.0100	

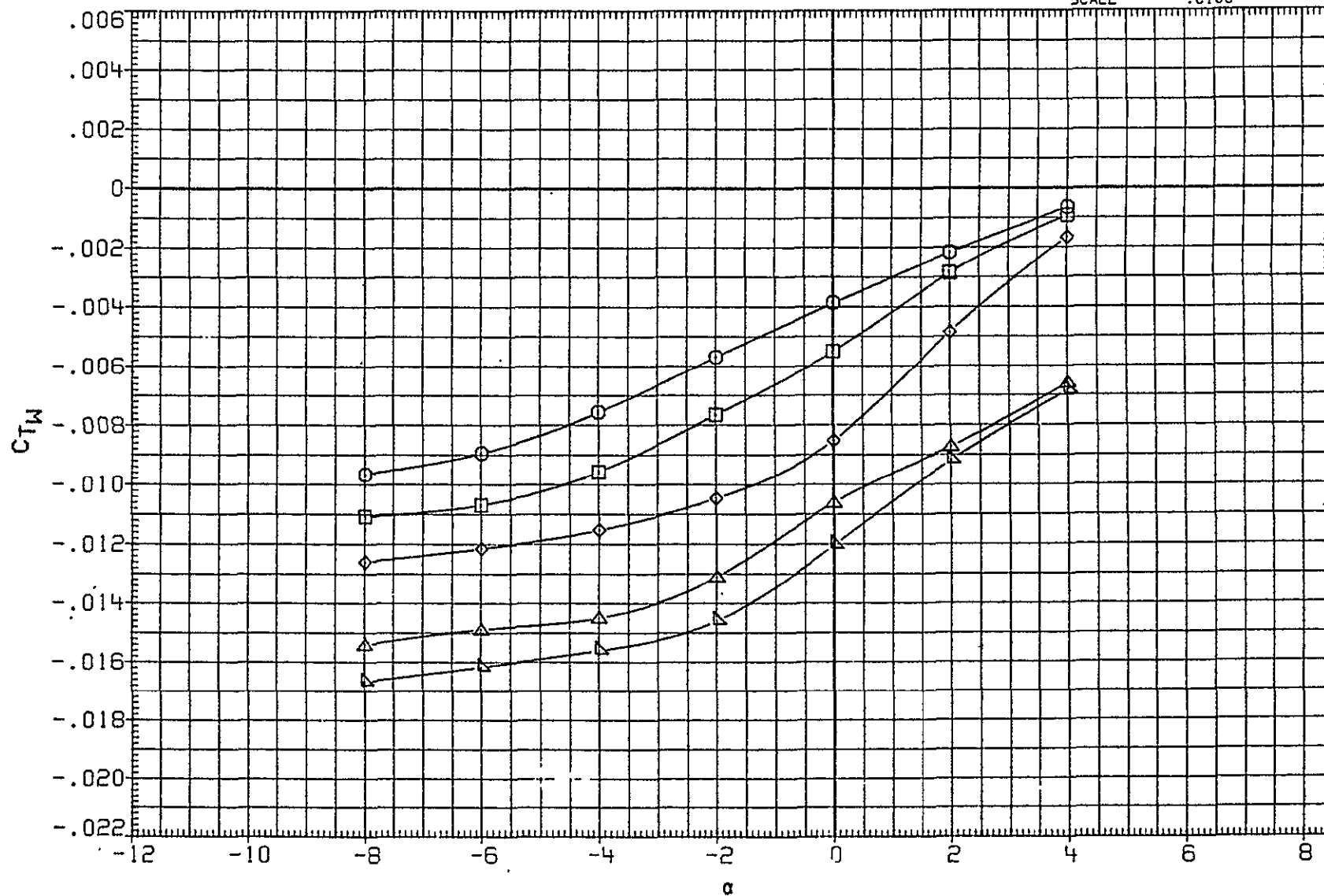


FIG. 6 ORBITER WING SHEAR, BENDING, AND TORSION COEFFICIENTS

(A) MACH = 1.55

DATA SET	SYMBOL	CONFIGURATION	BETA	ELV-LI	ELV-LO	ELV-RI	ELV-RO	REFERENCE INFORMATION		
MJKA42	○	LARC UPWT 1152(1A94A) OTSAT130	-6.000	12.000	2.000	12.000	2.000	SREF	2690.0000	50. FT
MJKA43	□	LARC UPWT 1152(1A94A) OTSAT130	-4.000	12.000	2.000	12.000	2.000	LREF	1290.3000	INCHES
MJKA44	◇	LARC UPWT 1152(1A94A) OTSAT130	.000	12.000	2.000	12.000	2.000	BREF	1290.3000	INCHES
MJKA45	△	LARC UPWT 1152(1A94A) OTSAT130	4.000	12.000	2.000	12.000	2.000	XMRP	976.0000	IN. XT
MJKA46	▽	LARC UPWT 1152(1A94A) OTSAT130	6.000	12.000	2.000	12.000	2.000	YMRP	0000	IN. YT
								ZMRP	400.0000	IN. ZT
								SCALE	0100	

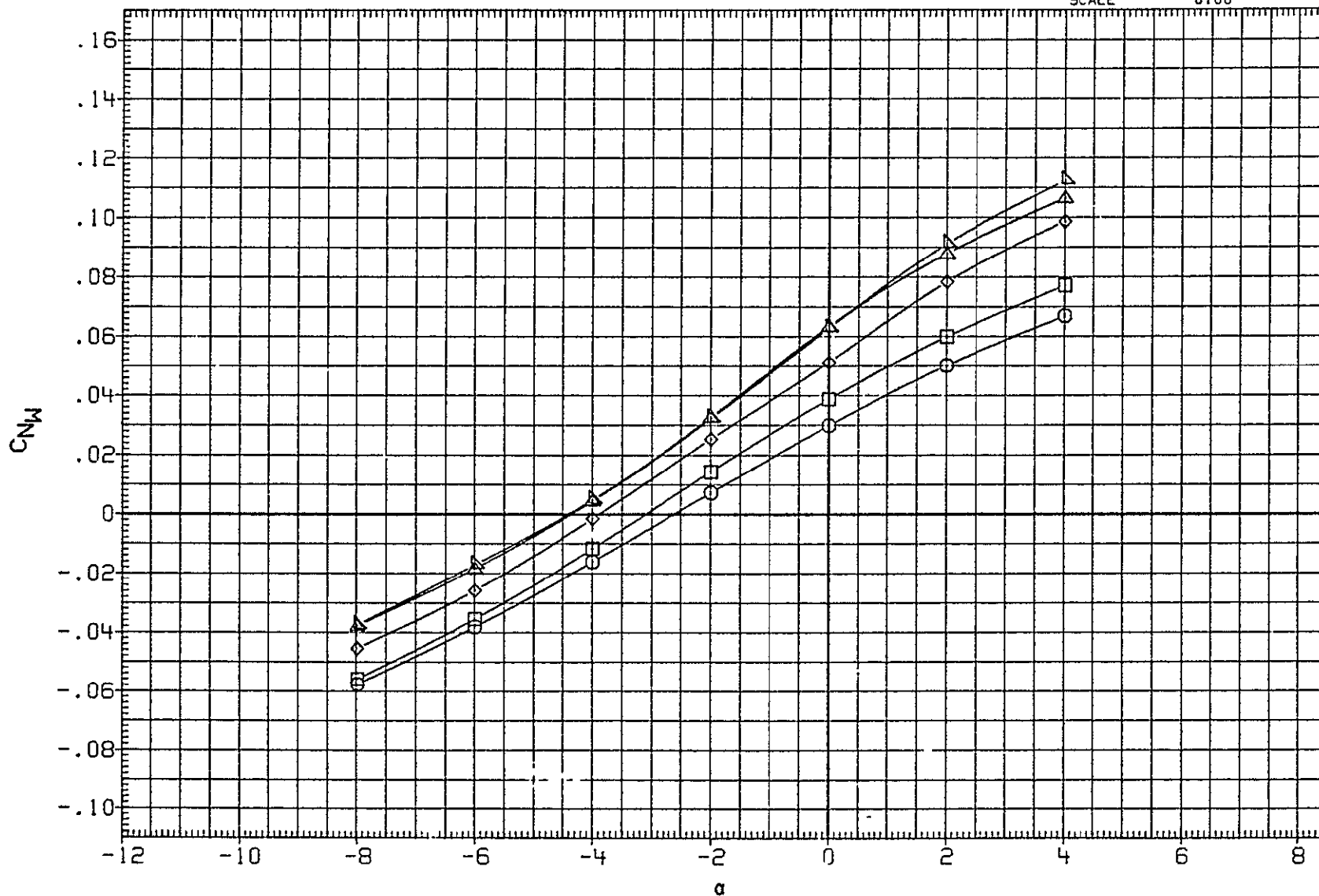


FIG. 6 ORBITER WING SHEAR, BENDING, AND TORSION COEFFICIENTS

(A) MACH = 1.55

DATA SET	SYMBOL	CONFIGURATION	BETA	ELV-LI	ELV-LO	ELV-RI	ELV-RO	REFERENCE INFORMATION		
MJKA42	○	LARC UPWT 1152(1A94A) OTSAT130	-6.000	12.000	2.000	12.000	2.000	SREF	2690.0000	50. FT.
MJKA43	□	LARC UPWT 1152(1A94A) OTSAT130	-4.000	12.000	2.000	12.000	2.000	LREF	1290.3000	INCHES
MJKA44	◇	LARC UPWT 1152(1A94A) OTSAT130	.000	12.000	2.000	12.000	2.000	BREF	1290.3000	INCHES
MJKA45	△	LARC UPWT 1152(1A94A) OTSAT130	4.000	12.000	2.000	12.000	2.000	XMRP	976.0000	IN. XT
MJKA46	▽	LARC UPWT 1152(1A94A) OTSAT130	6.000	12.000	2.000	12.000	2.000	YMRP	.0000	IN. YT
								ZMRP	400.0000	IN. ZT
								SCALE	.0100	

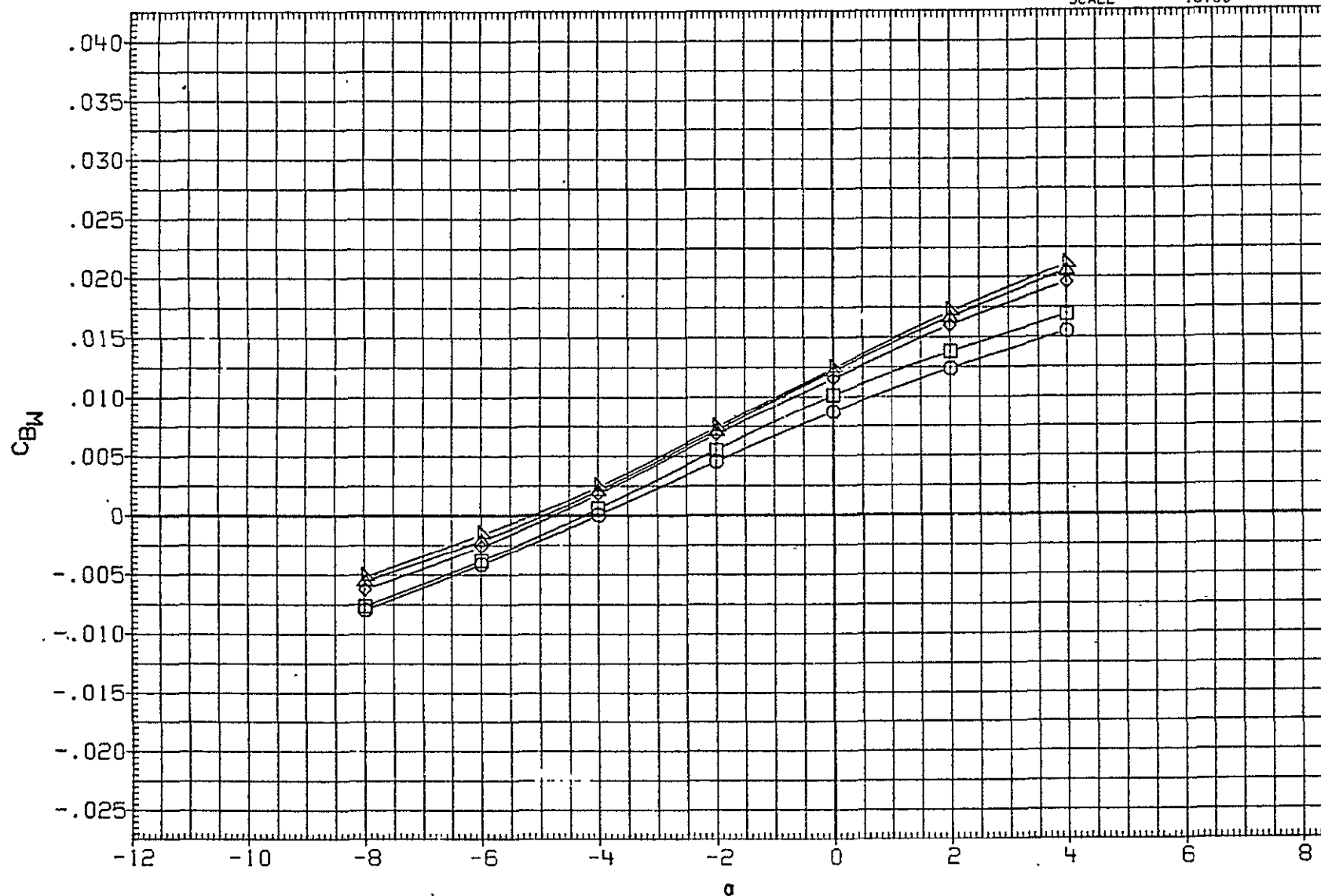


FIG. 6 ORBITER WING SHEAR, BENDING, AND TORSION COEFFICIENTS

(A) MACH = 1.55

DATA SET	SYMBOL	CONFIGURATION	BETA	ELV-LI	ELV-LO	ELV-RI	ELV-RO	REFERENCE INFORMATION		
MJKA42	○	LARC UPWT 1152(1A94A) OTSAT130	-6.000	12.000	2.000	12.000	2.000	SREF	2690.0000	SQ.FT.
MJKA43	□	LARC UPWT 1152(1A94A) OTSAT130	-4.000	12.000	2.000	12.000	2.000	LREF	1290.3000	INCHES
MJKA44	◇	LARC UPWT 1152(1A94A) OTSAT130	0.000	12.000	2.000	12.000	2.000	BREF	1290.3000	INCHES
MJKA45	△	LARC UPWT 1152(1A94A) OTSAT130	4.000	12.000	2.000	12.000	2.000	XMRP	976.0000	IN. XT
MJKA46	▽	LARC UPWT 1152(1A94A) OTSAT130	6.000	12.000	2.000	12.000	2.000	YMRP	.0000	IN. YT
								ZMRP	400.0000	IN. ZT
								SCALE	0100	

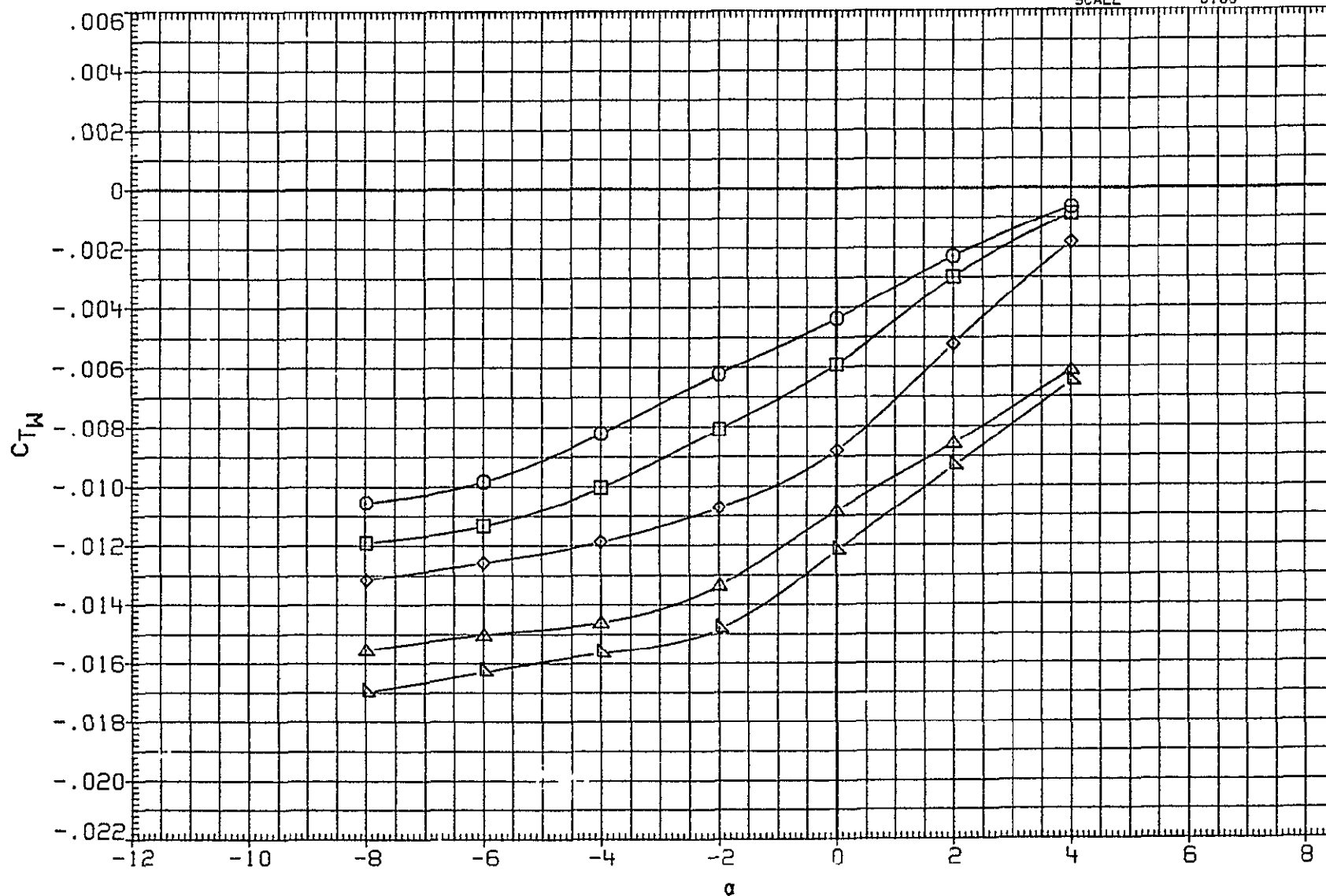


FIG. 6 ORBITER WING SHEAR, BENDING, AND TORSION COEFFICIENTS

(A) MACH = 1.55

DATA SET	SYMBOL	CONFIGURATION	BETA	ELV-LI	ELV-LO	ELV-RI	ELV-RO	REFERENCE INFORMATION		
MJKA47	○	LARC UPWT 1152(1A94A) OTSAT130	-6.000	8.000	2.000	8.000	2.000	SREF	2690.0000	SQ.FT.
MJKA48	◇	LARC UPWT 1152(1A94A) OTSAT130	-4.000	8.000	2.000	8.000	2.000	LREF	1290.3000	INCHES
MJKA49	□	LARC UPWT 1152(1A94A) OTSAT130	.000	8.000	2.000	8.000	2.000	BREF	1290.3000	INCHES
MJKA50	△	LARC UPWT 1152(1A94A) OTSAT130	4.000	8.000	2.000	8.000	2.000	XMRP	976.0000	IN. XT
MJKA51	▽	LARC UPWT 1152(1A94A) OTSAT130	6.000	8.000	2.000	8.000	2.000	YMRP	.0000	IN. YT
								ZMRP	400.0000	IN. ZT
								SCALE	.0100	

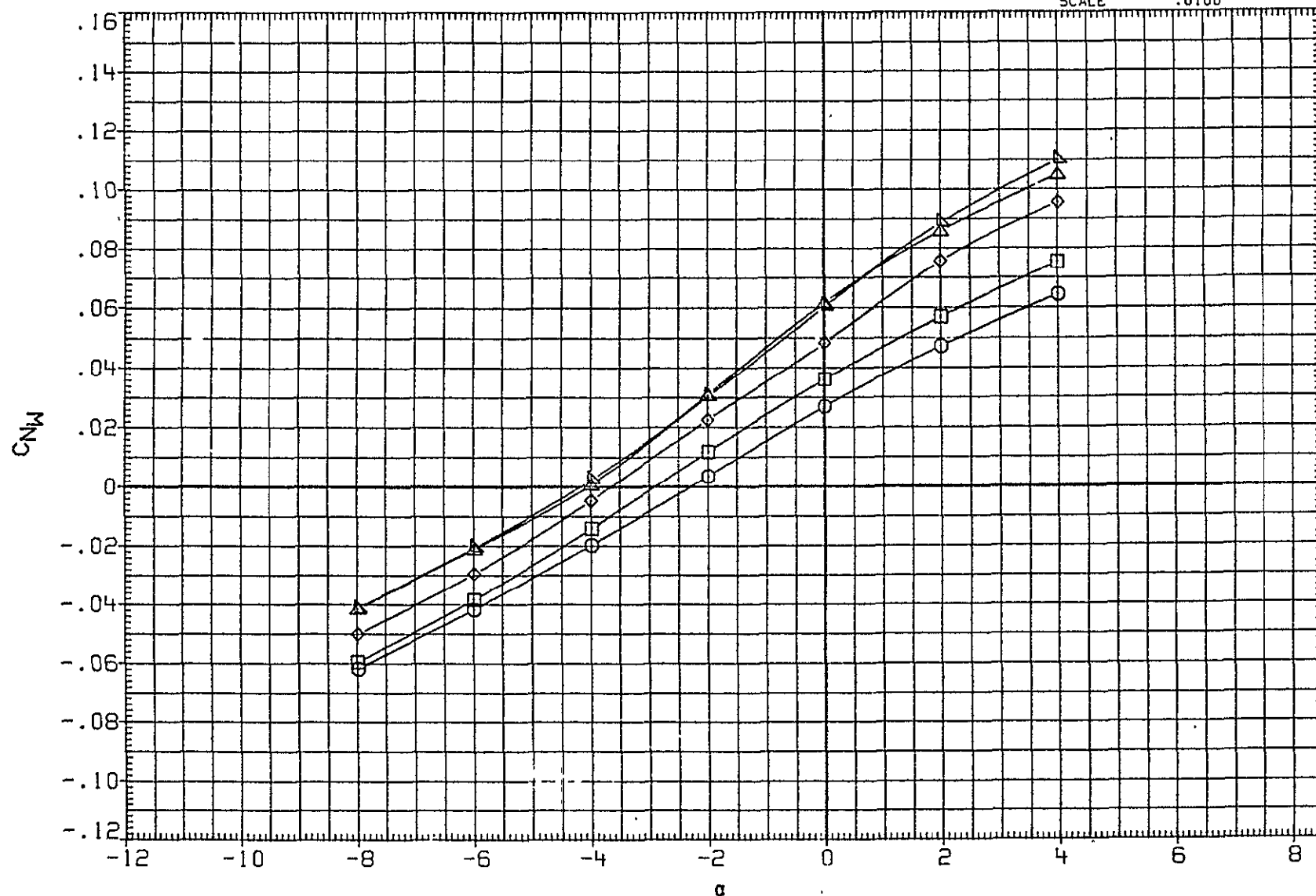


FIG. 6 ORBITER WING SHEAR, BENDING, AND TORSION COEFFICIENTS

(A) MACH = 1.55

DATA SET	SYMBOL	CONFIGURATION	BETA	ELV-LI	ELV-LO	ELV-RI	ELV-RO	REFERENCE INFORMATION		
MJKA47	○	LARC UPWT 1152(1A94A) OTSAT130	-6.000	8.000	2.000	8.000	2.000	SREF	2690.0000	SQ. FT.
MJKA48	□	LARC UPWT 1152(1A94A) OTSAT130	-4.000	8.000	2.000	8.000	2.000	LREF	1290.3000	INCHES
MJKA49	◇	LARC UPWT 1152(1A94A) OTSAT130	.000	8.000	2.000	8.000	2.000	ØREF	1290.3000	INCHES
MJKA50	△	LARC UPWT 1152(1A94A) OTSAT130	4.000	8.000	2.000	8.000	2.000	XMRF	976.0000	IN. XT
MJKA51	▽	LARC UPWT 1152(1A94A) OTSAT130	6.000	8.000	2.000	8.000	2.000	YMRF	.0000	IN. YT
								ZMRF	400.0000	IN. ZT
								SCALE	.0100	

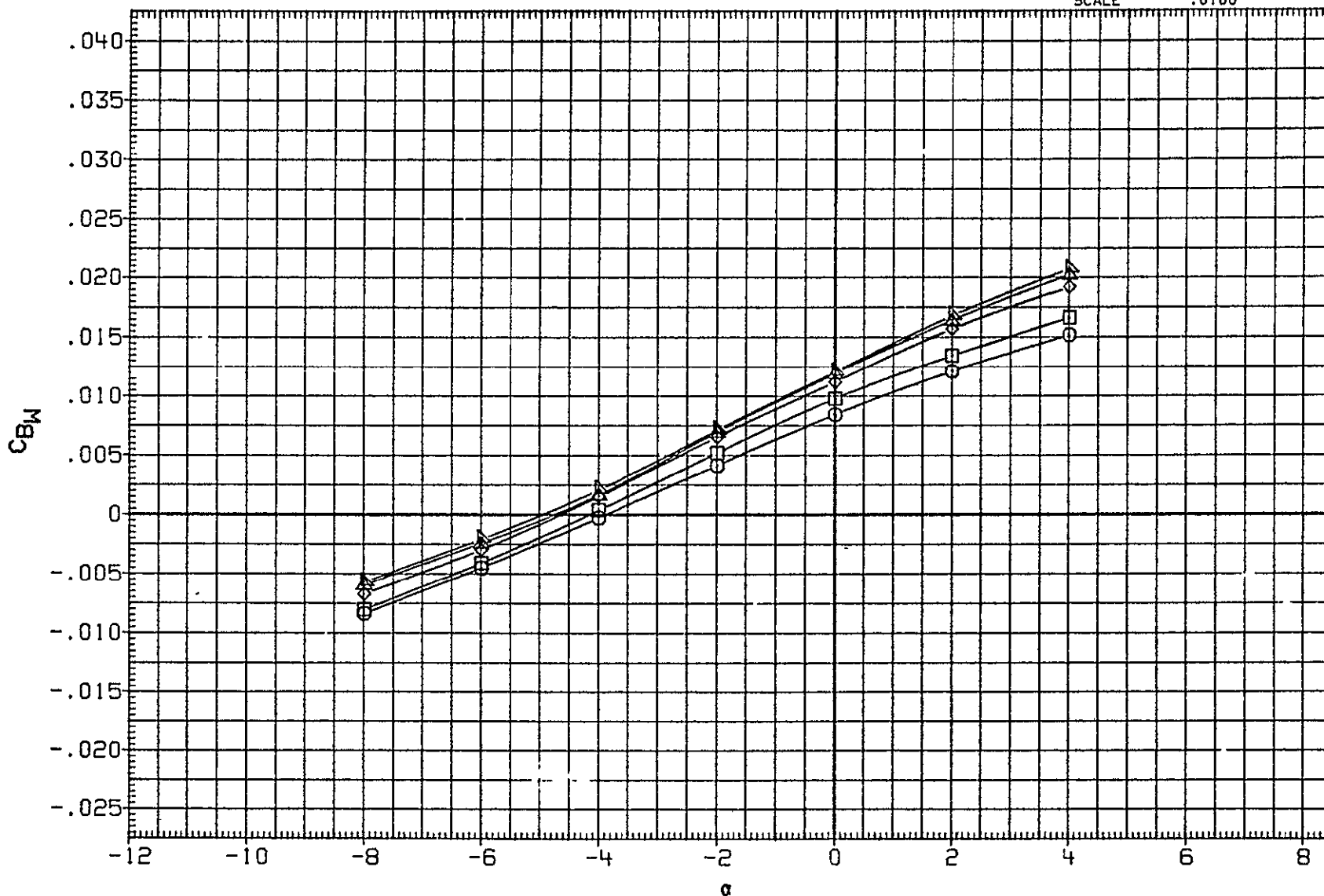


FIG. 6 ORBITER WING SHEAR, BENDING, AND TORSION COEFFICIENTS

DATA SET	SYMBOL	CONFIGURATION	BETA	ELV-LI	ELV-LO	ELV-RI	ELV-RO	REFERENCE INFORMATION		
MJKA47	○	LARC UPWT 1152(1A94A) OTSAT130	-6.000	8.000	2.000	8.000	2.000	SREF	2690.0000	SQ.FT.
MJKA48	□	LARC UPWT 1152(1A94A) OTSAT130	-4.000	8.000	2.000	8.000	2.000	LREF	1290.3000	INCHES
MJKA49	◇	LARC UPWT 1152(1A94A) OTSAT130	.000	8.000	2.000	8.000	2.000	BREF	1290.3000	INCHES
MJKA50	△	LARC UPWT 1152(1A94A) OTSAT130	4.000	8.000	2.000	8.000	2.000	XMRP	976.0000	IN. XT
MJKA51	▽	LARC UPWT 1152(1A94A) OTSAT130	6.000	8.000	2.000	8.000	2.000	YMRP	.0000	IN. YT
								ZMRP	400.0000	IN. ZT
								SCALE	.0100	

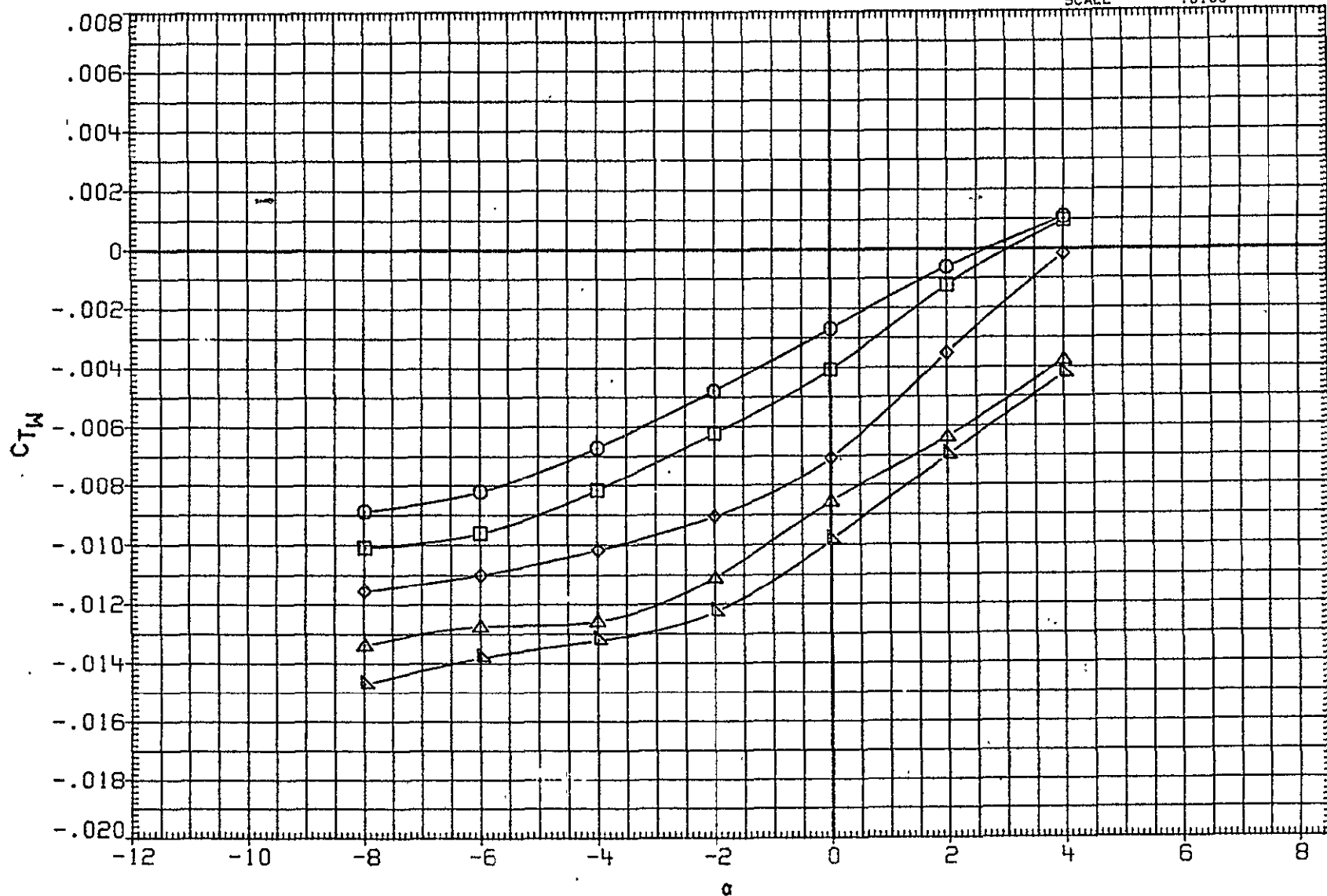


FIG. 6 ORBITER WING SHEAR, BENDING, AND TORSION COEFFICIENTS

(A) MACH = 1.55

DATA SET	SYMBOL	CONFIGURATION	BETA	ELV-LI	ELV-LO	ELV-RI	ELV-RO	REFERENCE INFORMATION		
MJKA52	○	LARC UPWT 1152(1A94A) OTSAT130	-6.000	8.000	-5.000	8.000	-5.000	SREF	2690.0000	SQ FT
MJKA53	□	LARC UPWT 1152(1A94A) OTSAT130	-4.000	8.000	-5.000	8.000	-5.000	LREF	1290.3000	INCHES
MJKA54	◇	LARC UPWT 1152(1A94A) OTSAT130	.000	8.000	-5.000	8.000	-5.000	BREF	1290.3000	INCHES
MJKA55	△	LARC UPWT 1152(1A94A) OTSAT130	4.000	8.000	-5.000	8.000	-5.000	XMRP	976.0000	IN. XT
MJKA56	▽	LARC UPWT 1152(1A94A) OTSAT130	6.000	8.000	-5.000	8.000	-5.000	YMRP	0000	IN. YT
								ZMRP	400.0000	IN. ZT
								SCALE	.0100	

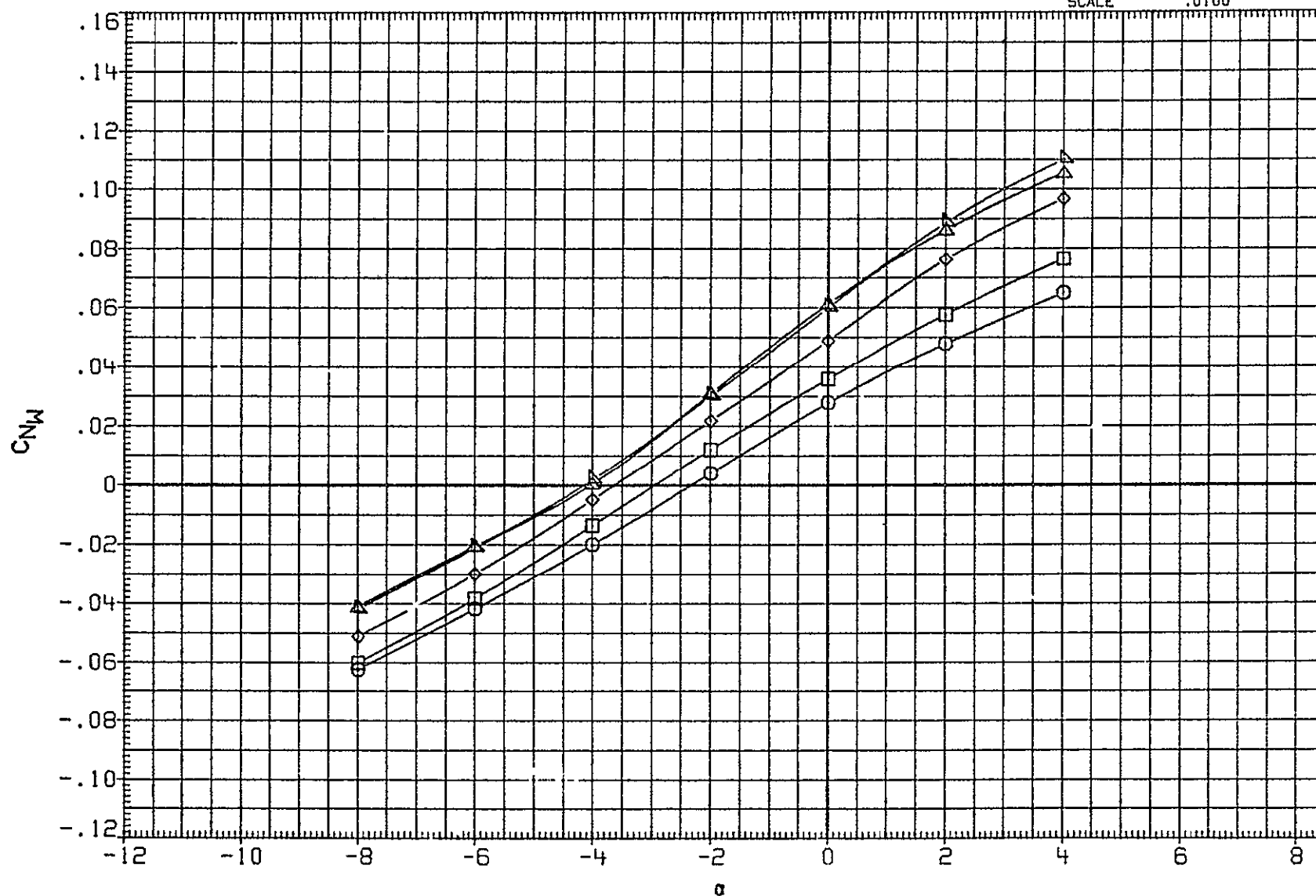


FIG. 6 ORBITER WING SHEAR, BENDING, AND TORSION COEFFICIENTS

DATA SET	SYMBOL	CONFIGURATION	BETA	ELV-LI	ELV-LO	ELV-RI	ELV-RO	REFERENCE INFORMATION		
MJKA52	○	LARC UPWT 1152(1A94A) OTSAT130	-6.000	8.000	-5.000	8.000	-5.000	SREF	2690.0000	SQ.FT.
MJKA53	□	LARC UPWT 1152(1A94A) OTSAT130	-4.000	8.000	-5.000	8.000	-5.000	LREF	1290.3000	INCHES
MJKA54	◇	LARC UPWT 1152(1A94A) OTSAT130	.000	8.000	-5.000	8.000	-5.000	BREF	1290.3000	INCHES
MJKA55	△	LARC UPWT 1152(1A94A) OTSAT130	4.000	8.000	-5.000	8.000	-5.000	XMRP	976.0000	IN. XT
MJKA56	▽	LARC UPWT 1152(1A94A) OTSAT130	6.000	8.000	-5.000	8.000	-5.000	YMRP	.0000	IN. YT
								ZMRP	400.0000	IN. ZT
								SCALE	.0100	

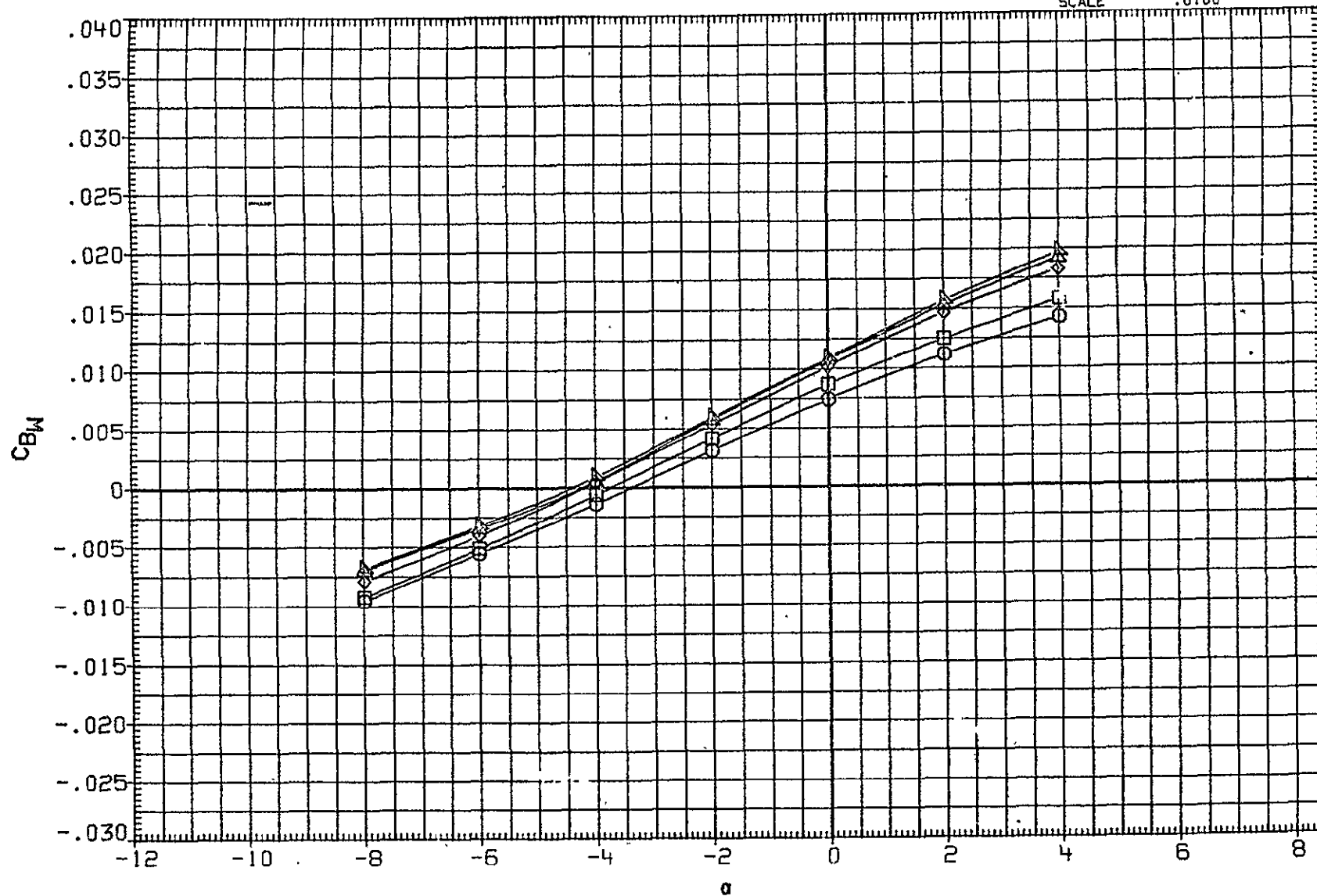


FIG. 6 ORBITER WING SHEAR, BENDING, AND TORSION COEFFICIENTS

(A) MACH = 1.55

DATA SET	SYMBOL	CONFIGURATION	BETA	ELV-LI	ELV-LO	ELV-RI	ELV-RO	REFERENCE INFORMATION		
MJKA52	○	LARC UPWT 1152(1A94A) OTSAT130	-6.000	8.000	-5.000	8.000	-5.000	SREF	2690.0000	SQ.FT.
MJKA53	□	LARC UPWT 1152(1A94A) OTSAT130	-4.000	8.000	-5.000	8.000	-5.000	LREF	1290.3000	INCHES
MJKA54	◇	LARC UPWT 1152(1A94A) OTSAT130	.000	8.000	-5.000	8.000	-5.000	BREF	1290.3000	INCHES
MJKA55	△	LARC UPWT 1152(1A94A) OTSAT130	4.000	8.000	-5.000	8.000	-5.000	XMRP	975.0000	IN. XT
MJKA56	▽	LARC UPWT 1152(1A94A) OTSAT130	6.000	8.000	-5.000	8.000	-5.000	YMRP	.0000	IN. YT
								ZMRP	400.0000	IN. ZT
								SCALE	.0100	

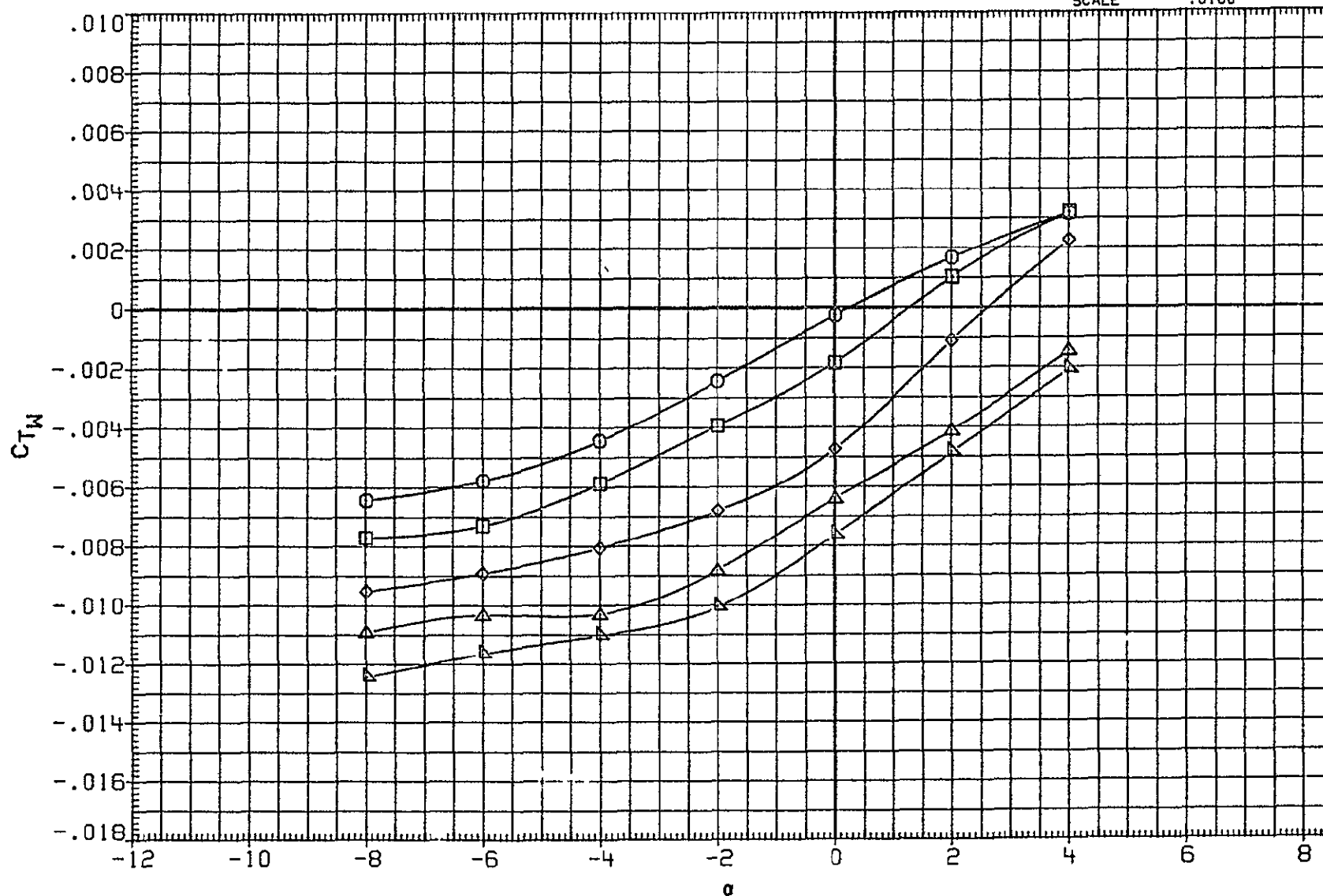


FIG. 6 ORBITER WING SHEAR, BENDING, AND TORSION COEFFICIENTS

DATA SET	SYMBOL	CONFIGURATION	BETA	ELV-LI	ELV-LO	ELV-RI	ELV-RO	REFERENCE INFORMATION		
MJKA57	○	LARC UPWT 1152(1A94A) OTSAT130	-6.000	8.000	-10.000	8.000	-10.000	SREF	2690.0000	SQ.FT.
MJKA58	□	LARC UPWT 1152(1A94A) OTSAT130	-4.000	8.000	-10.000	8.000	-10.000	LREF	1290.3000	INCHES
MJKA59	◇	LARC UPWT 1152(1A94A) OTSAT130	.000	8.000	-10.000	8.000	-10.000	BREF	1290.3000	INCHES
MJKA60	△	LARC UPWT 1152(1A94A) OTSAT130	4.000	8.000	-10.000	8.000	-10.000	XMRP	976.0000	IN. XT
MJKA61	▽	LARC UPWT 1152(1A94A) OTSAT130	6.000	8.000	-10.000	8.000	-10.000	YMRP	.0000	IN. YT
								ZMRP	400.0000	IN. ZT
								SCALE	.0100	

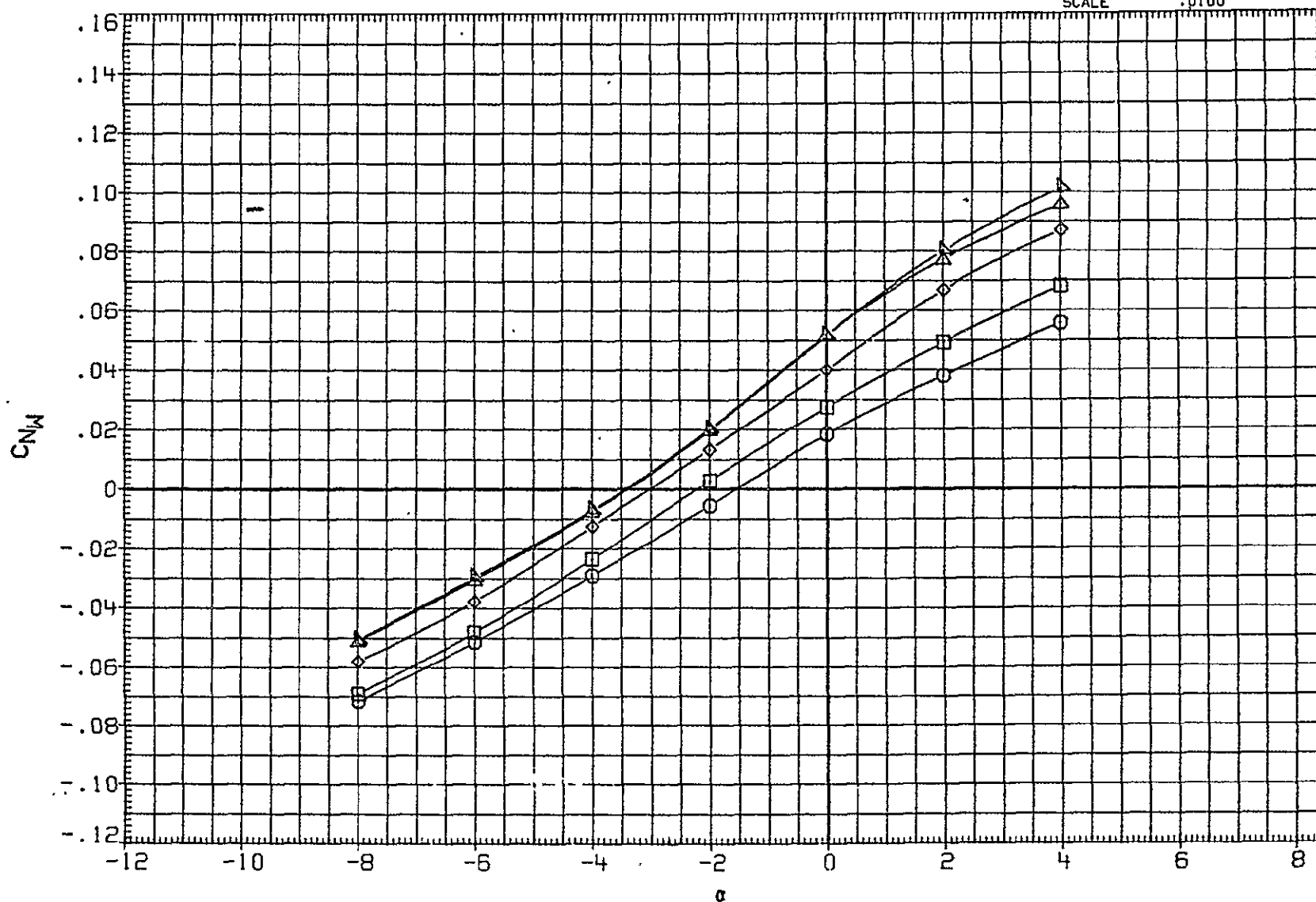


FIG. 6 ORBITER WING SHEAR, BENDING, AND TORSION COEFFICIENTS

(A) MACH = 1.55

DATA SET	SYMBOL	CONFIGURATION	BETA	ELV-LI	ELV-LO	ELV-R1	ELV-R0	REFERENCE INFORMATION		
MJKA57	○	LARC UPWT 1152(1A94A) OTSAT130	-6.000	8.000	-10.000	8.000	-10.000	SREF	2690.0000	SQ.FT.
MJKA58	□	LARC UPWT 1152(1A94A) OTSAT130	-4.000	8.000	-10.000	8.000	-10.000	LREF	1290.3000	INCHES
MJKA59	◇	LARC UPWT 1152(1A94A) OTSAT130	.000	8.000	-10.000	8.000	-10.000	BREF	1290.3000	INCHES
MJKA60	△	LARC UPWT 1152(1A94A) OTSAT130	4.000	8.000	-10.000	8.000	-10.000	XMRP	976.0000	IN. XT
MJKA61	▽	LARC UPWT 1152(1A94A) OTSAT130	6.000	8.000	-10.000	8.000	-10.000	YMRP	.0000	IN. YT
								ZMRP	400.0000	IN. ZT
								SCALE	0100	

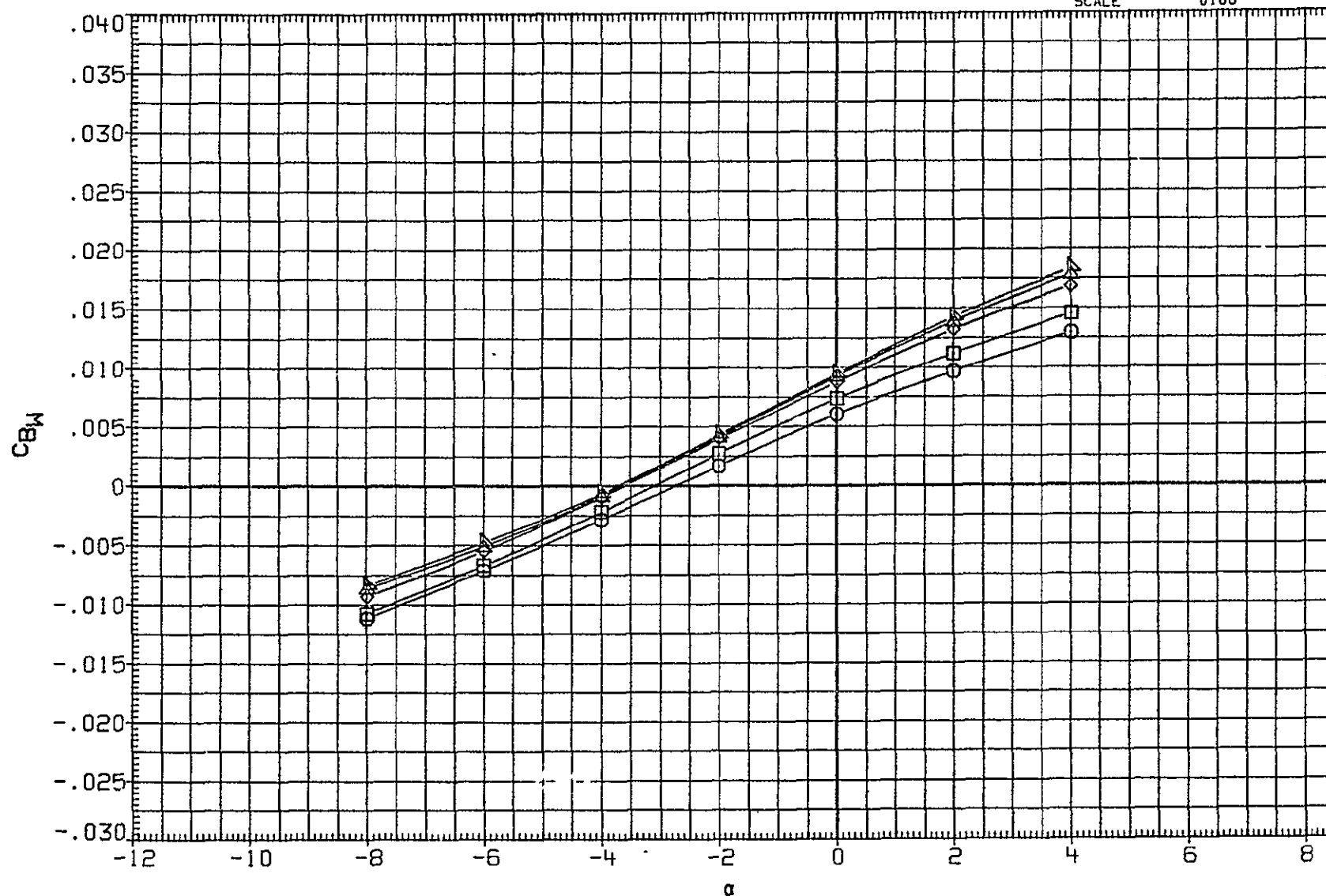


FIG. 6 ORBITER WING SHEAR, BENDING, AND TORSION COEFFICIENTS

(A) MACH = 1.55

DATA SET	SYMBOL	CONFIGURATION	BETA	ELV-LI	ELV-LO	ELV-RI	ELV-RO	REFERENCE INFORMATION		
MJKA57	○	LARC UPWT 1152(1A94A) OTSAT130	-5.000	8.000	-10.000	8.000	-10.000	SREF	2690.0000	SQ.FT.
MJKA58	□	LARC UPWT 1152(1A94A) OTSAT130	-4.000	8.000	-10.000	8.000	-10.000	LREF	1290.3000	INCHES
MJKA59	◇	LARC UPWT 1152(1A94A) OTSAT130	.000	8.000	-10.000	8.000	-10.000	BREF	1290.3000	INCHES
MJKA60	△	LARC UPWT 1152(1A94A) OTSAT130	4.000	8.000	-10.000	8.000	-10.000	XMRP	976.0000	IN. XT
MJKA61	▽	LARC UPWT 1152(1A94A) OTSAT130	6.000	8.000	-10.000	8.000	-10.000	YMRP	.0000	IN. YT
								ZMRP	400.0000	IN. ZT
								SCALE	.0100	

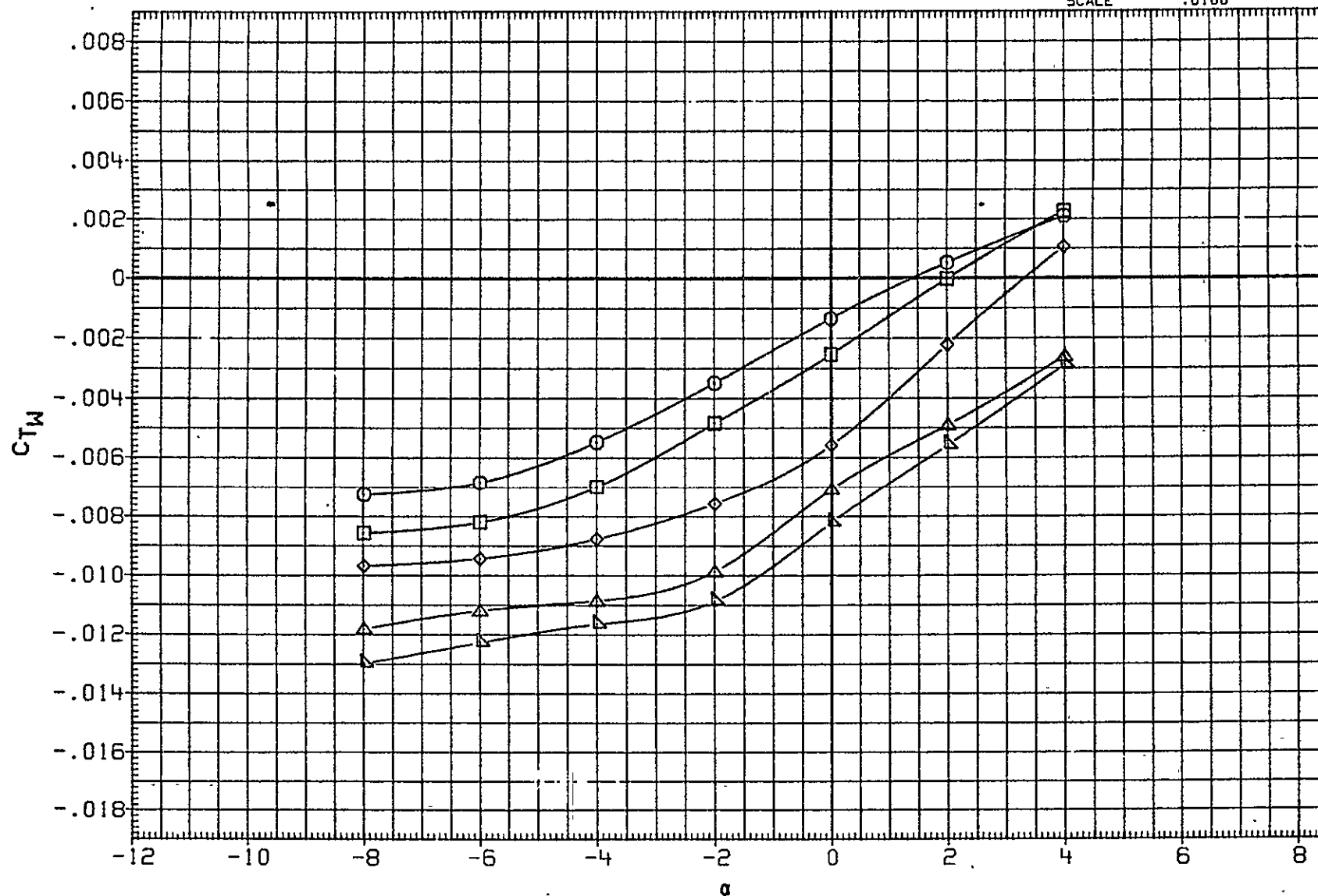


FIG. 6 ORBITER WING SHEAR, BENDING, AND TORSION COEFFICIENTS

(A) MACH = 1.55

DATA SET	SYMBOL	CONFIGURATION	BETA	ELV-LI	ELV-LO	ELV-RI	ELV-RO	REFERENCE INFORMATION		
MJKB17	○	LARC UPWT 1152(1A94A) OTSAT130	-6.000	10.000	-5.000	10.000	-5.000	SREF	2690.0000	SQ. FT.
MJKB18	□	LARC UPWT 1152(1A94A) OTSAT130	-4.000	10.000	-5.000	10.000	-5.000	LREF	1290.3000	INCHES
MJKB19	◇	LARC UPWT 1152(1A94A) OTSAT130	.000	10.000	-5.000	10.000	-5.000	BREF	1290.3000	INCHES
MJKB20	△	LARC UPWT 1152(1A94A) OTSAT130	4.000	10.000	-5.000	10.000	-5.000	XMRP	976.0000	IN. XT
MJKB21	▽	LARC UPWT 1152(1A94A) OTSAT130	6.000	10.000	-5.000	10.000	-5.000	YMRP	0000	IN. YT
								ZMRP	400.0000	IN. ZT
								SCALE	.0100	

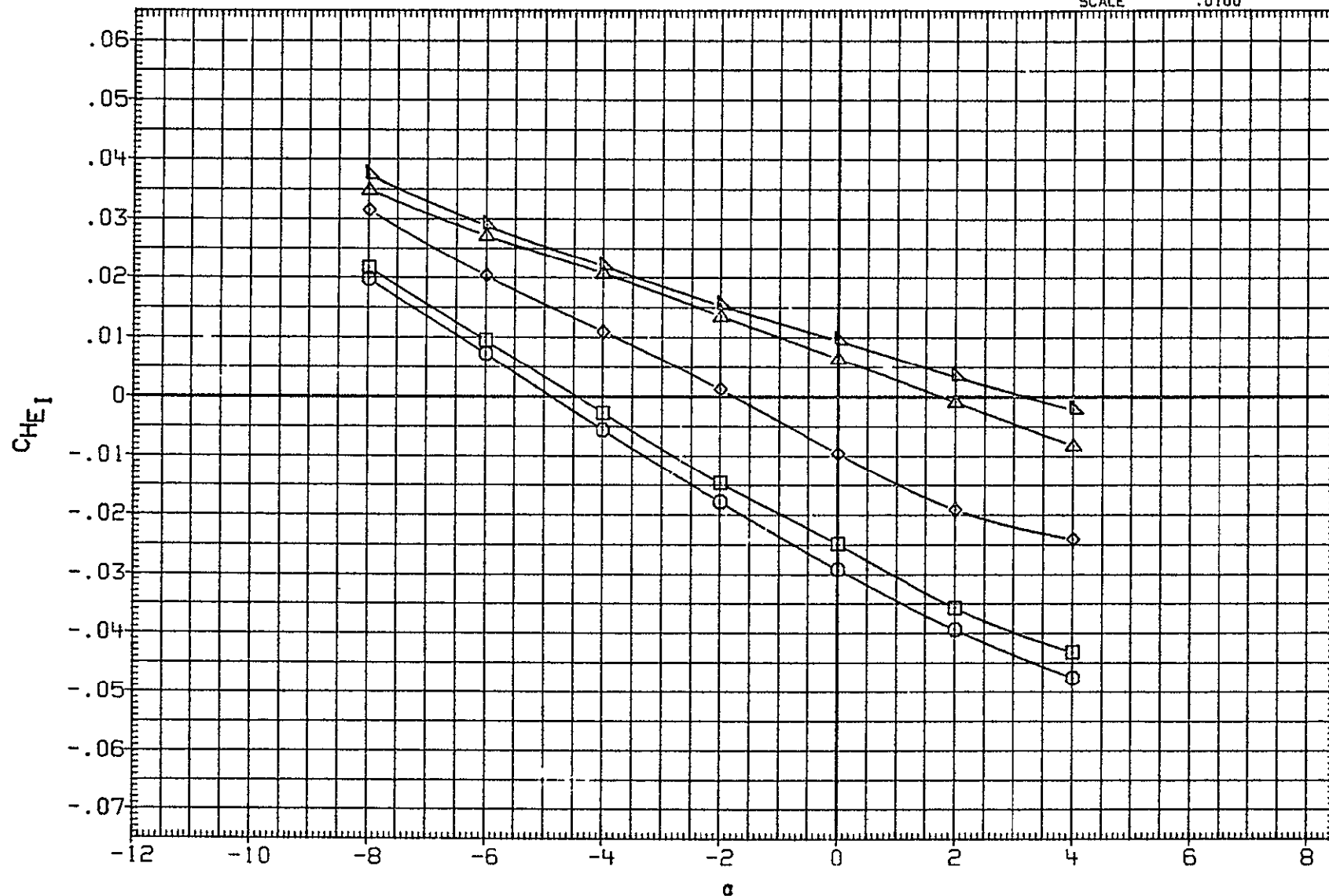


FIG. 7 LEFT ELEVON SEGMENT DEFLECTIONS CORRECTED FOR APPLIED LOAD

(A) MACH = 1.55

DATA SET	SYMBOL	CONFIGURATION	BETA	ELV-LI	ELV-LO	ELV-RI	ELV-RO	REFERENCE INFORMATION		
MJKB17	○	LARC UPWT 1152(1A94A) OTSAT130	-6.000	10.000	-5.000	10.000	-5.000	SREF	2690.0000	50.FT.
MJKB18	□	LARC UPWT 1152(1A94A) OTSAT130	-4.000	10.000	-5.000	10.000	-5.000	LREF	1290.3000	INCHES
MJKB19	◇	LARC UPWT 1152(1A94A) OTSAT130	.000	10.000	-5.000	10.000	-5.000	BREF	1290.3000	INCHES
MJKB20	△	LARC UPWT 1152(1A94A) OTSAT130	4.000	10.000	-5.000	10.000	-5.000	XMRP	976.0000	IN. XT
MJKB21	▽	LARC UPWT 1152(1A94A) OTSAT130	6.000	10.000	-5.000	10.000	-5.000	YMRP	.0000	IN. YT
								ZMRP	400.0000	IN. ZT
								SCALE	.0100	

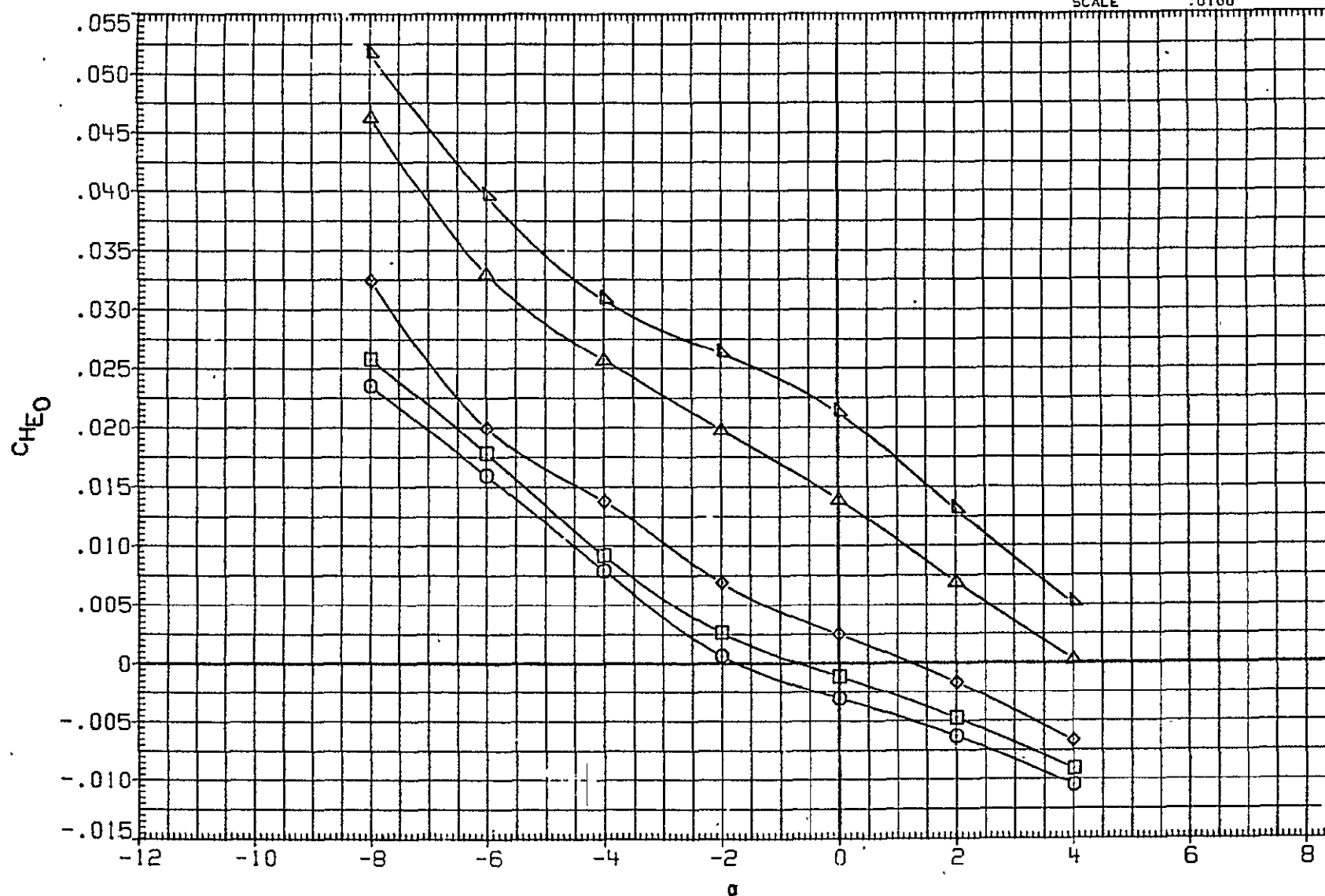


FIG. 7 LEFT ELEVON SEGMENT DEFLECTIONS CORRECTED FOR APPLIED LOAD

(A) MACH = 1.55

DATA SET	SYMBOL	CONFIGURATION	BETA	ELV-L-I	ELV-L-O	ELV-R-I	ELV-R-O	REFERENCE INFORMATION		
MJKB22	○	LARC UPWT 1152(1A94A) OTSAT130	-6.000	10.000	2.000	10.000	2.000	SREF	2690.0000	SQ.FT.
MJKB23	□	LARC UPWT 1152(1A94A) OTSAT130	-4.000	10.000	2.000	10.000	2.000	LREF	1290.3000	INCHES
MJKB24	◇	LARC UPWT 1152(1A94A) OTSAT130	.000	10.000	2.000	10.000	2.000	BREF	976.0000	IN. XT
MJKB25	△	LARC UPWT 1152(1A94A) OTSAT130	4.000	10.000	2.000	10.000	2.000	XMRP	.0000	IN. YT
MJKB26	▽	LARC UPWT 1152(1A94A) OTSAT130	6.000	10.000	2.000	10.000	2.000	YMRP	400.0000	IN. ZT
									ZMRP	.0100
									SCALE	.0100

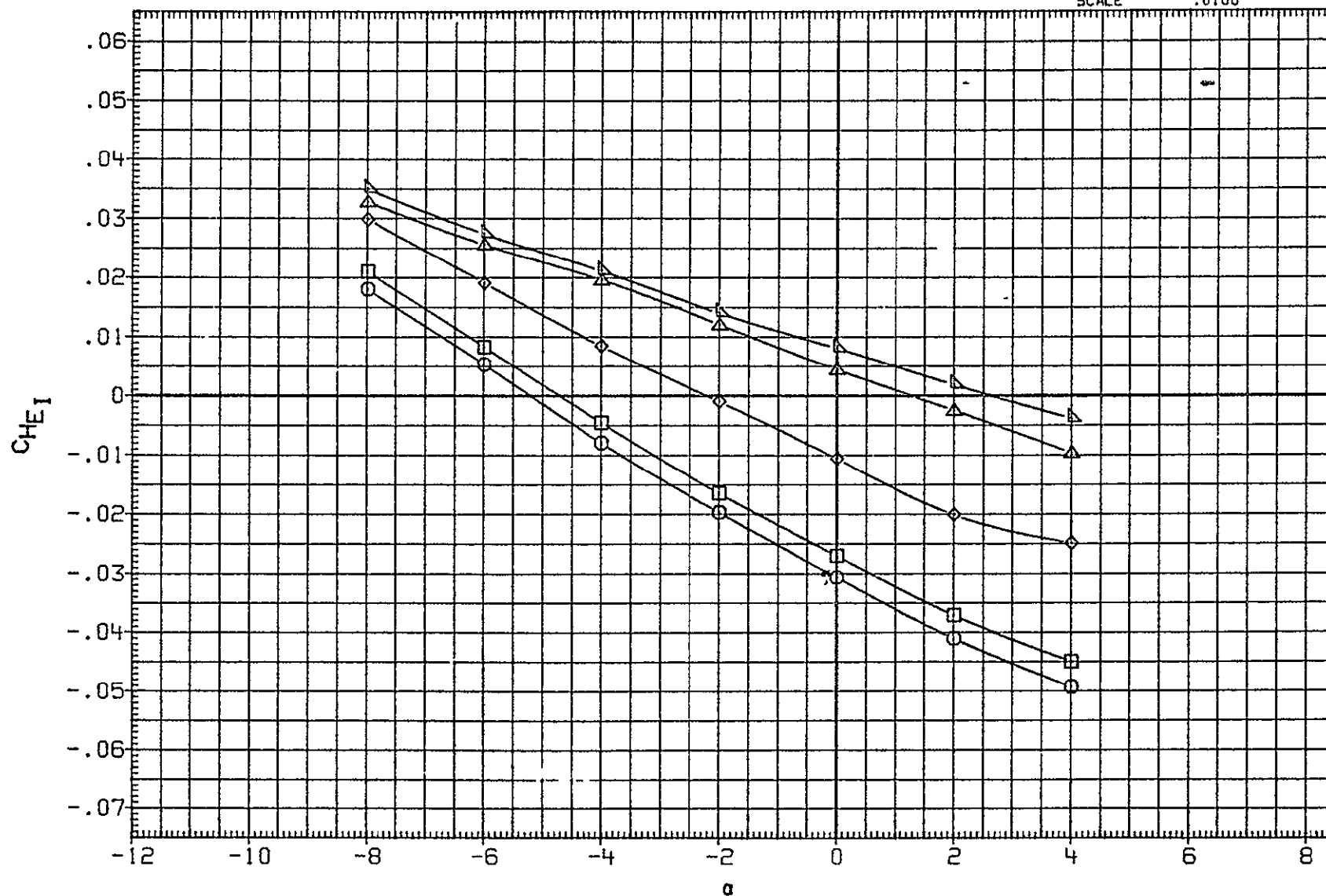


FIG. 7 LEFT ELEVON SEGMENT DEFLECTIONS CORRECTED FOR APPLIED LOAD

DATA SET	SYMBOL	CONFIGURATION	BETA	ELV-LI	ELV-LO	ELV-RI	ELV-RO	REFERENCE INFORMATION		
MJKB22	○	LARC UPWT 1152(1A94A) OTSAT130	-6.000	10.000	2.000	10.000	2.000	SREF	2690.0000	SQ.FT.
MJKB23	□	LARC UPWT 1152(1A94A) OTSAT130	-4.000	10.000	2.000	10.000	2.000	LREF	1290.3000	INCHES
MJKB24	◇	LARC UPWT 1152(1A94A) OTSAT130	.000	10.000	2.000	10.000	2.000	BREF	1290.3000	INCHES
MJKB25	△	LARC UPWT 1152(1A94A) OTSAT130	4.000	10.000	2.000	10.000	2.000	XMRP	976.0000	IN. XT
MJKB26	▽	LARC UPWT 1152(1A94A) OTSAT130	6.000	10.000	2.000	10.000	2.000	YMRP	.0000	IN. YT
								ZMRP	400.0000	IN. ZT
								SCALE	.0100	

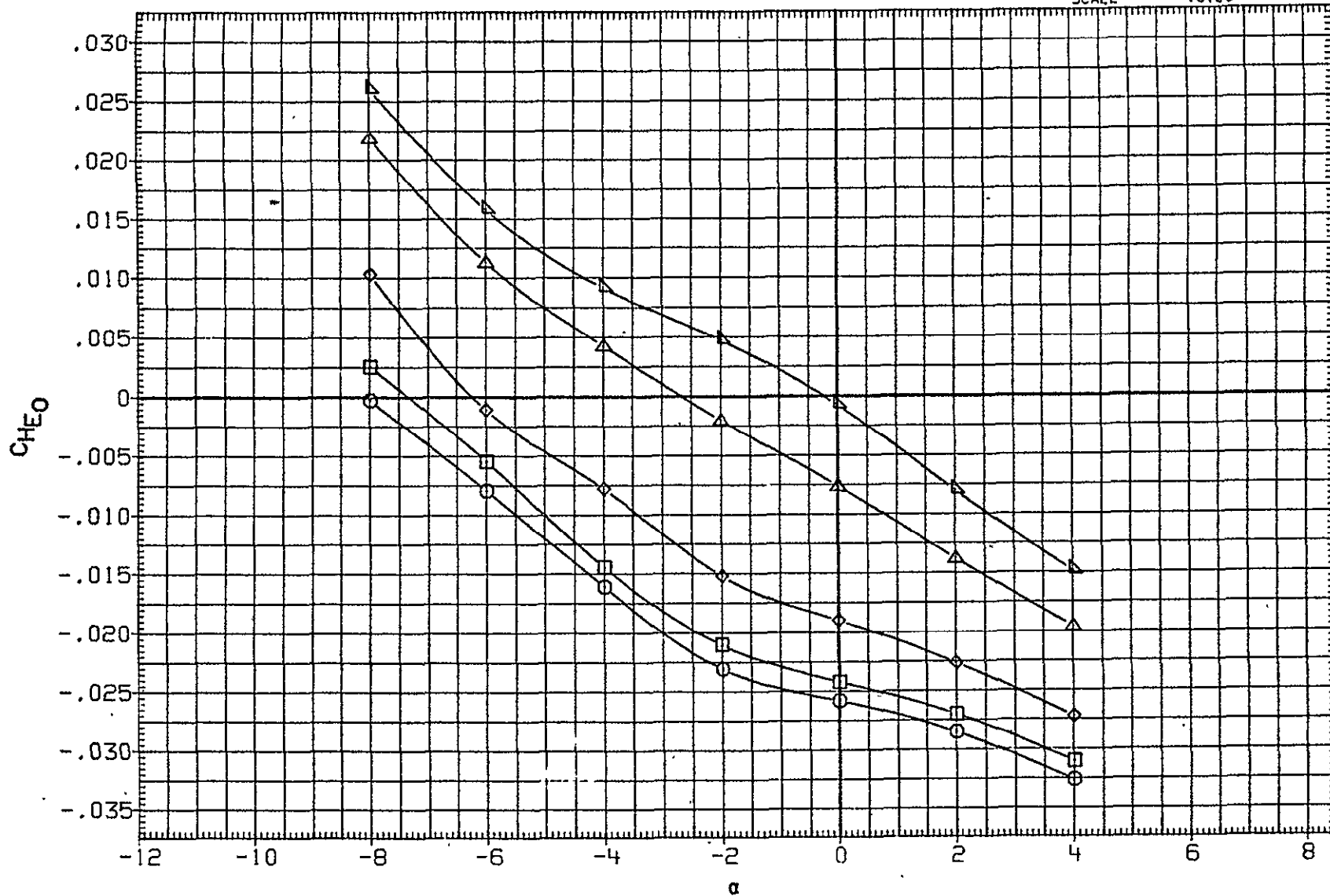


FIG. 7 LEFT ELEVON SEGMENT DEFLECTIONS CORRECTED FOR APPLIED LOAD

(A) MACH = 1.55

DATA SET	SYMBOL	CONFIGURATION	BETA	ELV-LI	ELV-LO	ELV-RI	ELV-RO	REFERENCE INFORMATION		
MJKB27	○	LARC UPWT 1152(1A94A) OTSAT130	-6.000	10.000	-10.000	10.000	-10.000	SREF	2690.0000	SQ.FT.
MJKB28	□	LARC UPWT 1152(1A94A) OTSAT130	-4.000	10.000	-10.000	10.000	-10.000	LREF	1290.3000	INCHES
MJKB29	◇	LARC UPWT 1152(1A94A) OTSAT130	.000	10.000	-10.000	10.000	-10.000	SREF	1290.3000	INCHES
MJKB30	△	LARC UPWT 1152(1A94A) OTSAT130	4.000	10.000	-10.000	10.000	-10.000	XMRP	976.0000	IN. XT
MJKB31	▽	LARC UPWT 1152(1A94A) OTSAT130	6.000	10.000	-10.000	10.000	-10.000	YMRP	.0000	IN. YT
								ZMRP	400.0000	IN. ZT
								SCALE	.0100	

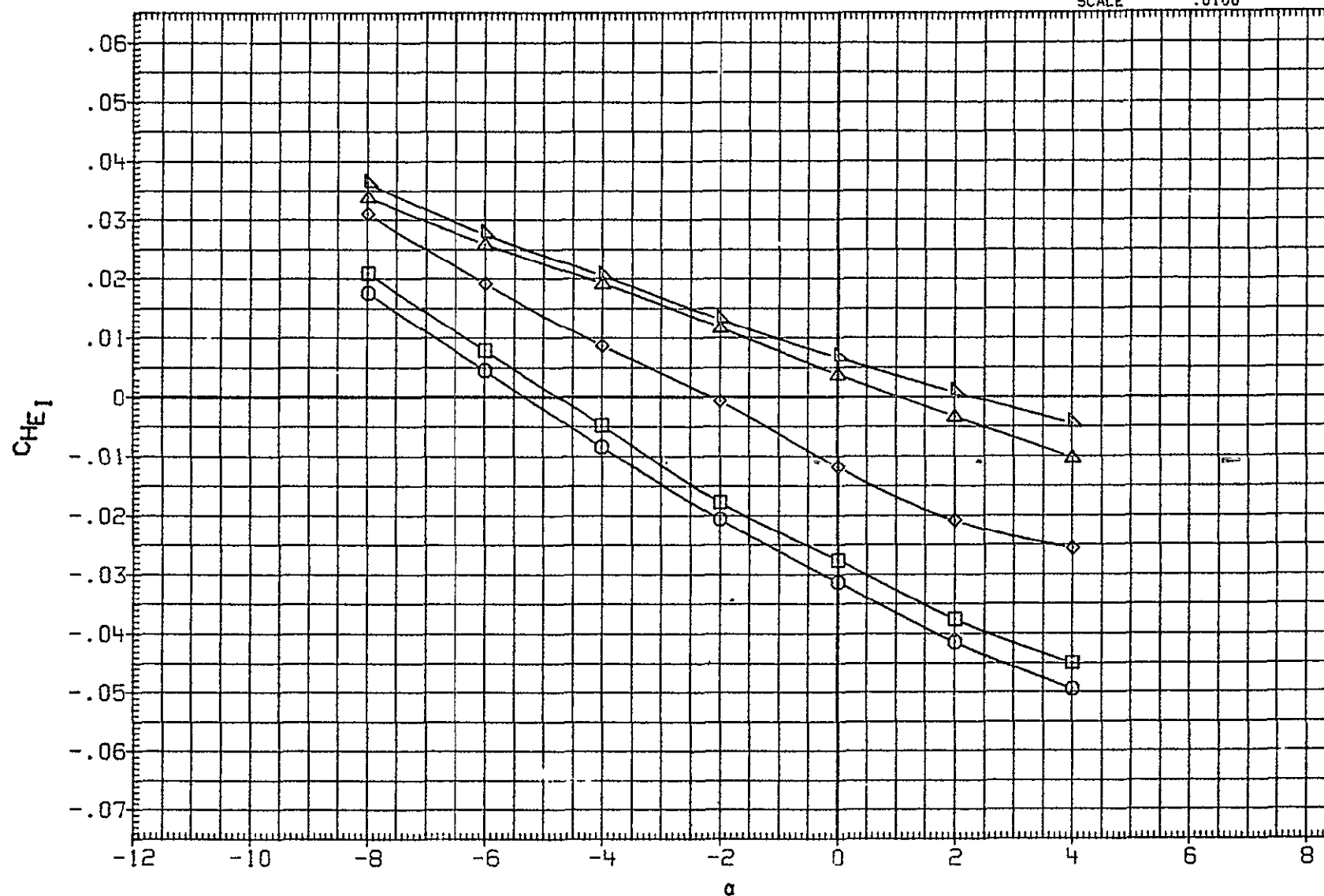


FIG. 7 LEFT ELEVON SEGMENT DEFLECTIONS CORRECTED FOR APPLIED LOAD

(A) MACH = 1.55

DATA SET. SYMBOL

CONFIGURATION

BETA

ELV-LI

ELV-LO

ELV-RI

ELV-RO

REFERENCE INFORMATION

MJKB27 \square LARC UPWT 1152(1A94A) OTSAT130
 MJKB28 \square LARC UPWT 1152(1A94A) OTSAT130
 MJKB29 \diamond LARC UPWT 1152(1A94A) OTSAT130
 MJKB30 \triangle LARC UPWT 1152(1A94A) OTSAT130
 MJKB31 \triangle LARC UPWT 1152(1A94A) OTSAT130

-6.000
-4.000
.000
4.000
6.000

10.000
10.000
10.000
10.000
10.000

-10.000
-10.000
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-10.000
-10.000
-10.000
-10.000
-10.000

SREF 2690.0000 SQ.FT.
 LREF 1290.3000 INCHES
 BREF 1290.3000 INCHES
 XMRP 976.0000 IN. XT
 YMRP .0000 IN. XT
 ZMRP 400.0000 IN. ZT
 SCALE .0100

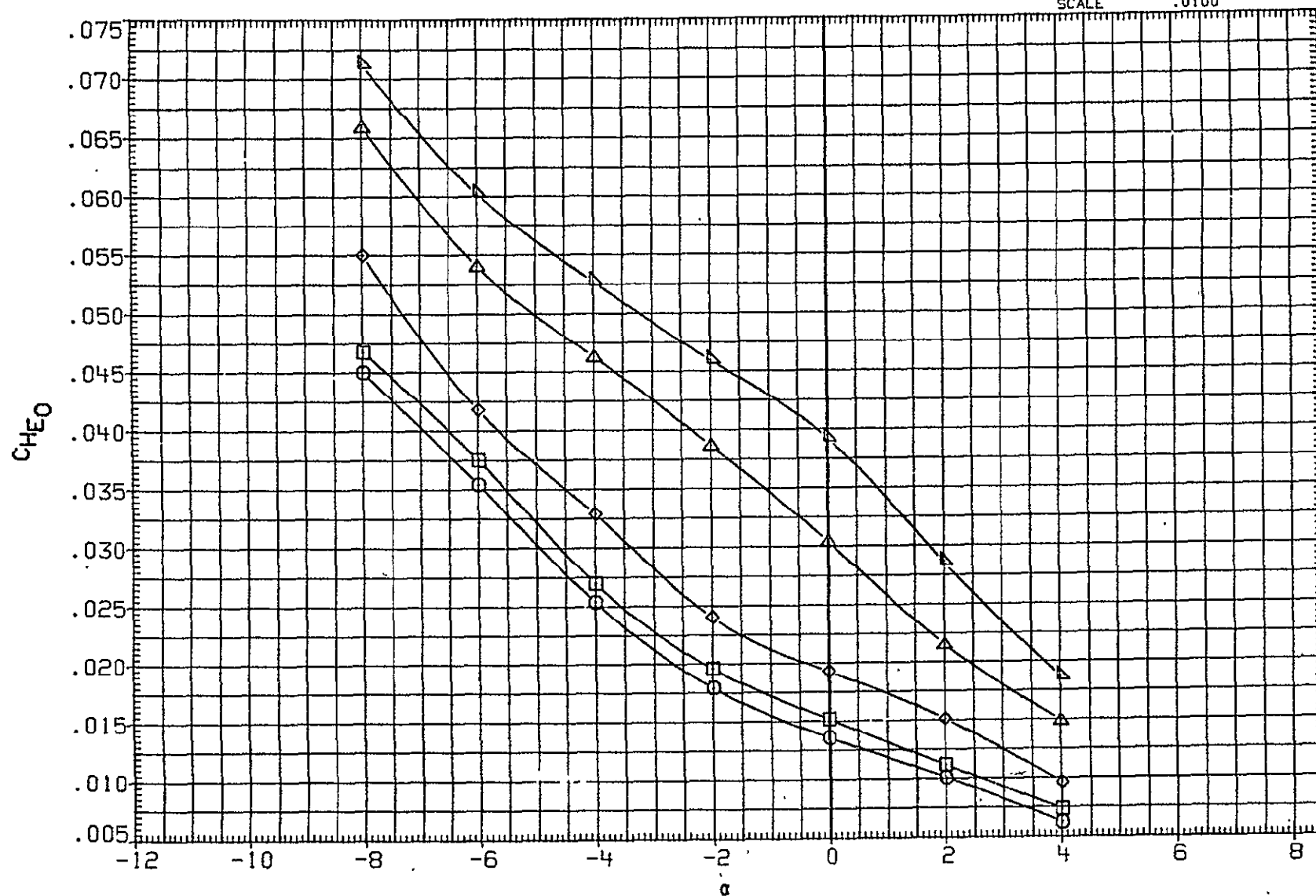


FIG. 7 LEFT ELEVON SEGMENT DEFLECTIONS CORRECTED FOR APPLIED LOAD

(A) MACH = 1.55

DATA SET SYMBOL	CONFIGURATION	BETA	ELV-LI	ELV-LO	ELV-RI	ELV-RO	REFERENCE INFORMATION		
MJKB32	○ LARC UPWT 1152(1A94A) OTSAT130	-6.000	12.000	-10.000	12.000	-10.000	SREF	2690.0000	SQ.FT.
MJKB33	□ LARC UPWT 1152(1A94A) OTSAT130	-4.000	12.000	-10.000	12.000	-10.000	LREF	1290.3000	INCHES
MJKB34	◇ LARC UPWT 1152(1A94A) OTSAT130	.000	12.000	-10.000	12.000	-10.000	BREF	1290.3000	INCHES
MJKB35	△ LARC UPWT 1152(1A94A) OTSAT130	4.000	12.000	-10.000	12.000	-10.000	XMRP	975.0000	IN. XT
MJKB36	▽ LARC UPWT 1152(1A94A) OTSAT130	6.000	12.000	-10.000	12.000	-10.000	YMRP	.0000	IN. YT
							ZMRP	400.0000	IN. ZT
							SCALE	.0100	

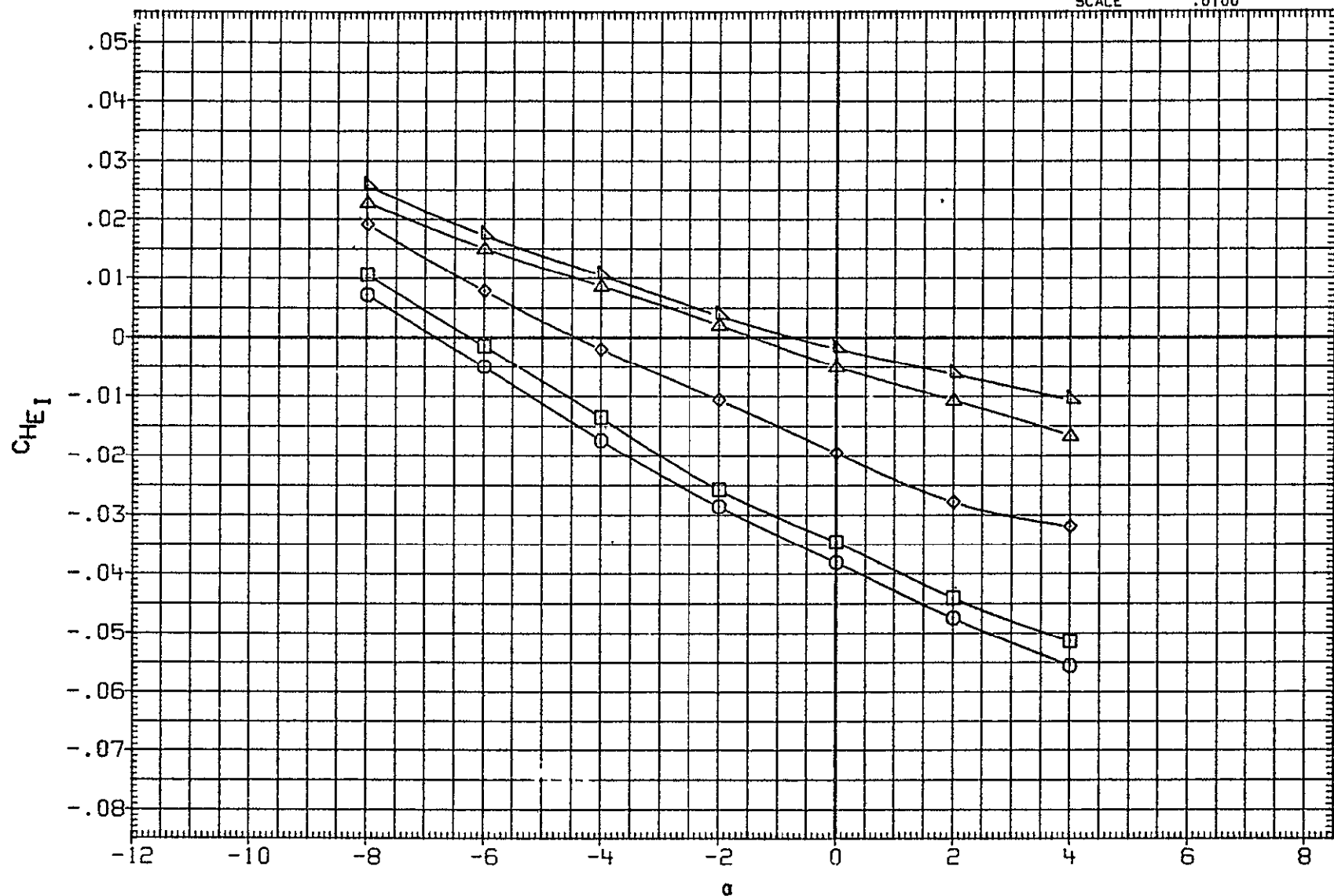


FIG. 7 LEFT ELEVON SEGMENT DEFLECTIONS CORRECTED FOR APPLIED LOAD

DATA SET	SYMBOL	CONFIGURATION	BETA	ELV-L1	ELV-LO	ELV-R1	ELV-RO	REFERENCE INFORMATION		
MJKB32	○	LARC UPWT 1152(1A94A) OTSAT130	-6.000	12.000	-10.000	12.000	-10.000	SREF	2690.0000	50. FT.
MJKB33	□	LARC UPWT 1152(1A94A) OTSAT130	-4.000	12.000	-10.000	12.000	-10.000	LREF	1290.3000	INCHES
MJKB34	◇	LARC UPWT 1152(1A94A) OTSAT130	.000	12.000	-10.000	12.000	-10.000	BREF	1290.3000	INCHES
MJKB35	△	LARC UPWT 1152(1A94A) OTSAT130	4.000	12.000	-10.000	12.000	-10.000	XMRP	976.0000	IN. XT
MJKB36	▽	LARC UPWT 1152(1A94A) OTSAT130	6.000	12.000	-10.000	12.000	-10.000	YMRP	.0000	IN. YT
								ZMRP	400.0000	IN. ZT
								SCALE	.0100	

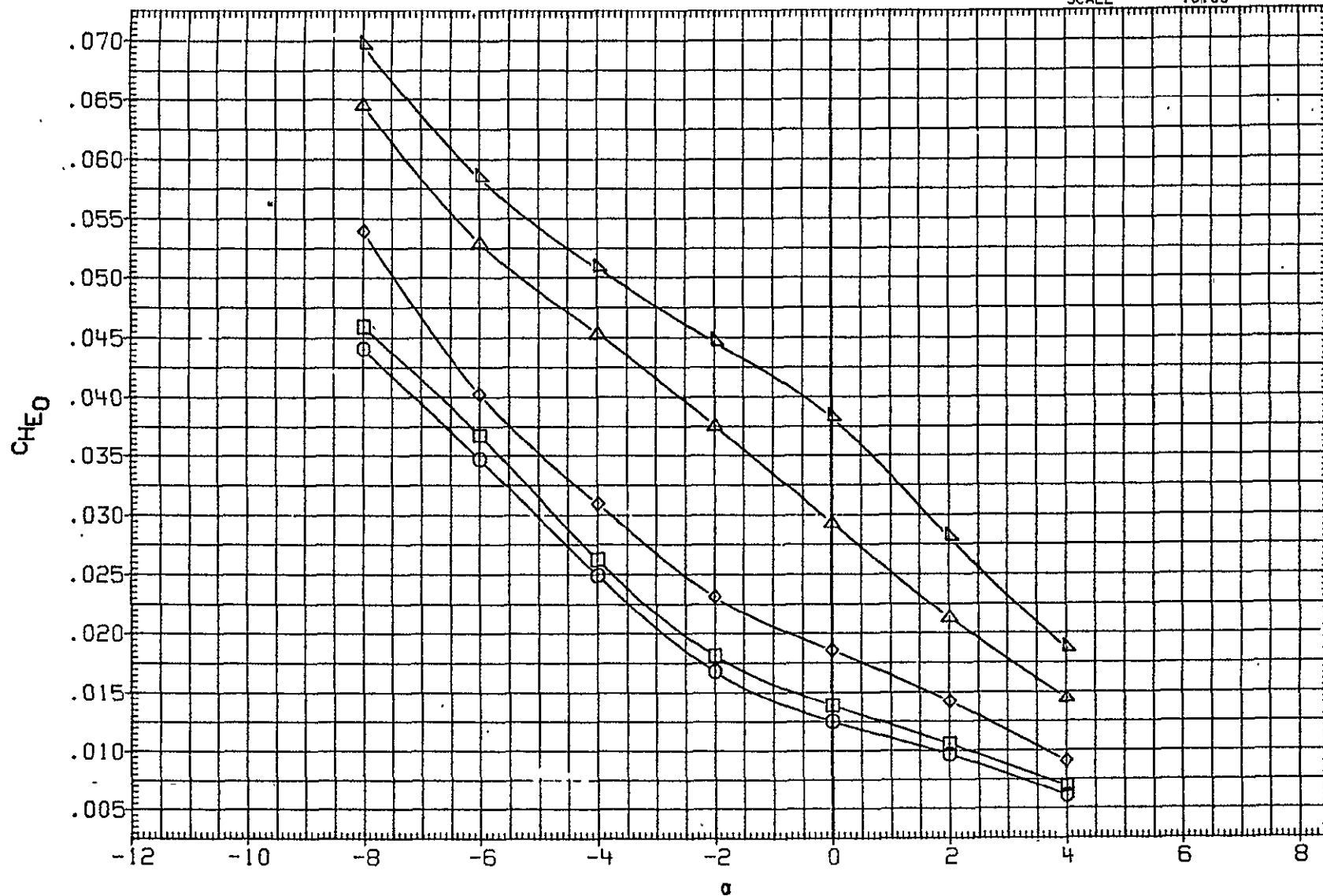


FIG. 7 LEFT ELEVON SEGMENT DEFLECTIONS CORRECTED FOR APPLIED LOAD

(A) MACH = 1.55

DATA SET	SYMBOL	CONFIGURATION	BETA	ELV-LI	ELV-LO	ELV-RI	ELV-RO	REFERENCE INFORMATION		
MJKB37	○	LARC UPWT 1152(1A94A) OTSAT130	-6.000	12.000	-5.000	12.000	-5.000	SREF	2690.0000	SQ. FT.
MJKB38	□	LARC UPWT 1152(1A94A) OTSAT130	-4.000	12.000	-5.000	12.000	-5.000	LREF	1290.3000	INCHES
MJKB39	◇	LARC UPWT 1152(1A94A) OTSAT130	.000	12.000	-5.000	12.000	-5.000	BREF	1290.3000	INCHES
MJKB40	△	LARC UPWT 1152(1A94A) OTSAT130	4.000	12.000	-5.000	12.000	-5.000	XMRP	976.0000	IN. XT
MJKB41	▽	LARC UPWT 1152(1A94A) OTSAT130	6.000	12.000	-5.000	12.000	-5.000	YMRP	0000	IN. YT
								ZMRP	400.0000	IN. ZT
								SCALE	.0100	

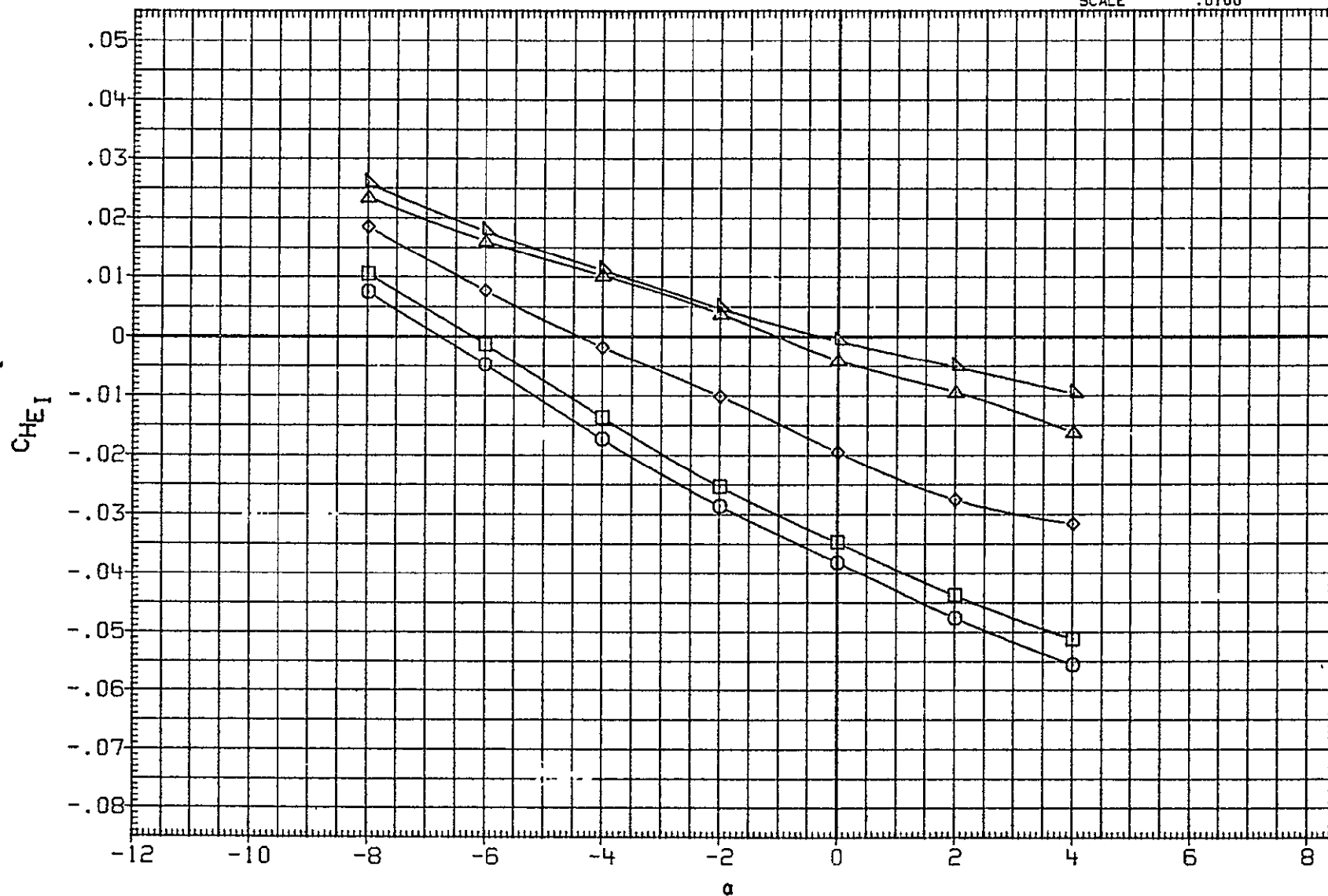


FIG. 7 LEFT ELEVON SEGMENT DEFLECTIONS CORRECTED FOR APPLIED LOAD

(A) MACH = 1.55

DATA SET	SYMBOL	CONFIGURATION	BETA	ELV-LI	ELV-LO	ELV-RI	ELV-RO	REFERENCE INFORMATION		
MJKB37	○	LARC UPWT 1152(1A94A) OTSAT130	-6.000	12.000	-5.000	12.000	-5.000	SREF	2690.0000	SQ.FT.
MJKB38	□	LARC UPWT 1152(1A94A) OTSAT130	-4.000	12.000	-5.000	12.000	-5.000	LREF	1290.3000	INCHES
MJKB39	◇	LARC UPWT 1152(1A94A) OTSAT130	.000	12.000	-5.000	12.000	-5.000	BREF	1290.3000	INCHES
MJKB40	△	LARC UPWT 1152(1A94A) OTSAT130	4.000	12.000	-5.000	12.000	-5.000	XMRP	976.0000	IN. XT
MJKB41	▽	LARC UPWT 1152(1A94A) OTSAT130	6.000	12.000	-5.000	12.000	-5.000	YMRP	.0000	IN. YT
								ZMRP	400.0000	IN. ZT
								SCALE	.0100	

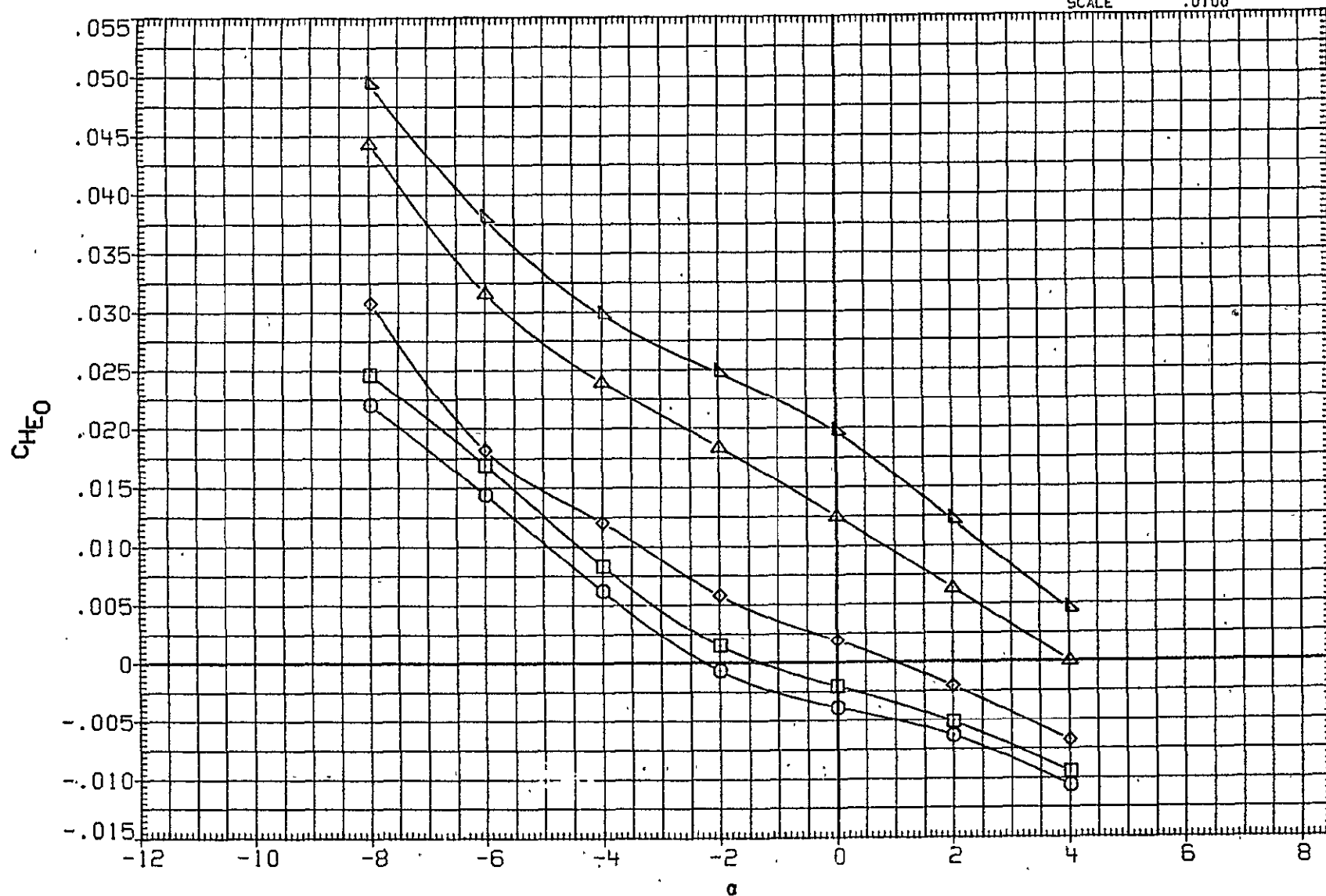


FIG. 7 LEFT ELEVON SEGMENT DEFLECTIONS CORRECTED FOR APPLIED LOAD

(A) MACH = 1.55

DATA SET	SYMBOL	CONFIGURATION	BETA	ELV-LI	ELV-LO	ELV-RI	ELV-RO	REFERENCE INFORMATION		
MJKB42	○	LARC UPWT 1152(1A94A) OTSAT130	-6.000	12.000	2.000	12.000	2.000	SREF	2690.0000	50. FT.
MJKB43	□	LARC UPWT 1152(1A94A) OTSAT130	-4.000	12.000	2.000	12.000	2.000	LREF	1290.3000	INCHES
MJKB44	◇	LARC UPWT 1152(1A94A) OTSAT130	.000	12.000	2.000	12.000	2.000	BREF	1290.3000	INCHES
MJKB45	△	LARC UPWT 1152(1A94A) OTSAT130	4.000	12.000	2.000	12.000	2.000	XMRP	976.0000	IN. XT
MJKB46	▽	LARC UPWT 1152(1A94A) OTSAT130	6.000	12.000	2.000	12.000	2.000	YMRP	.0000	IN. YT
								ZMRP	400.0000	IN. ZT
								SCALE	0100	

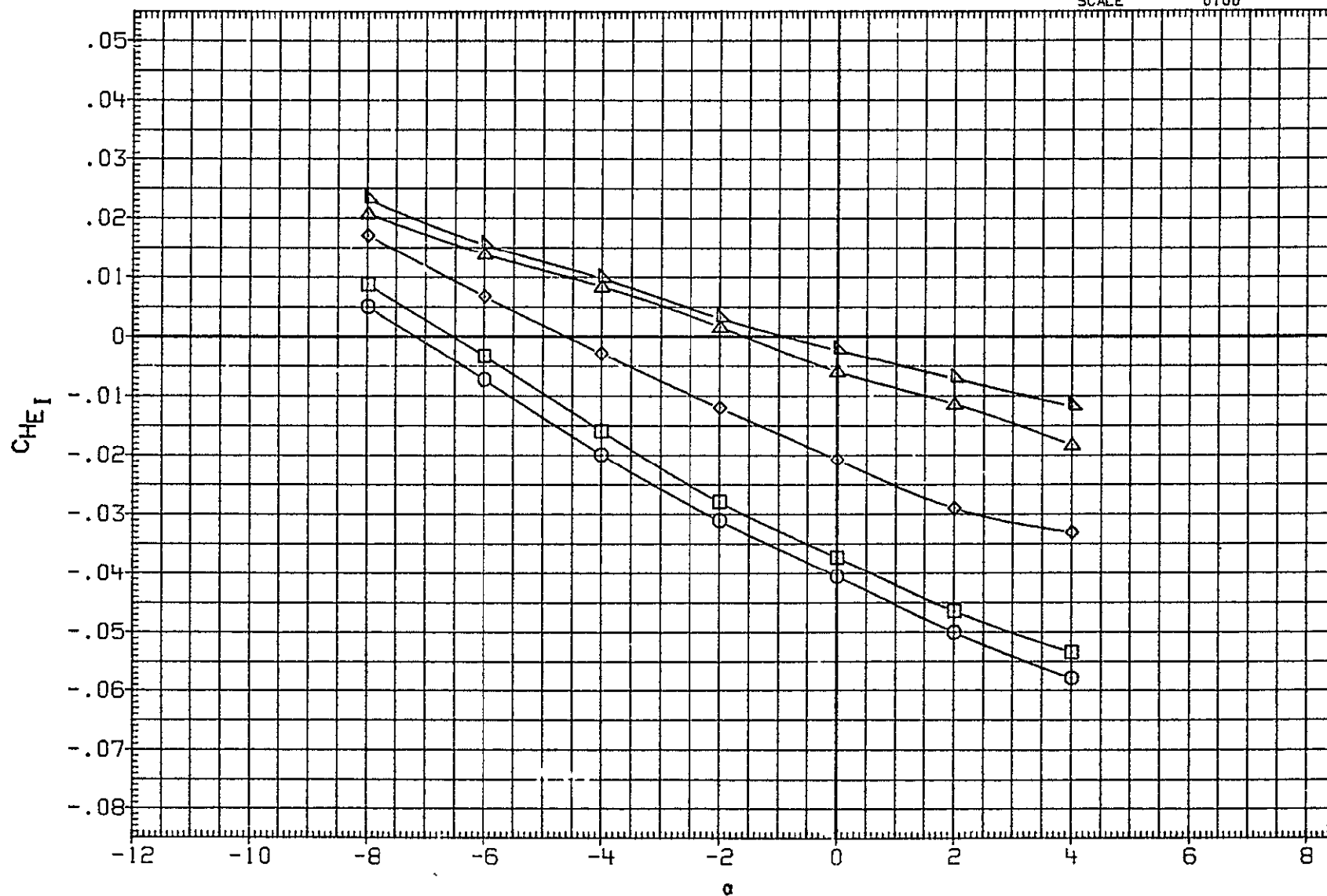


FIG. 7 LEFT ELEVON SEGMENT DEFLECTIONS CORRECTED FOR APPLIED LOAD

DATA SET SYMBOL	CONFIGURATION	BETA	ELV-LI	ELV-LO	ELV-RI	ELV-RO	REFERENCE INFORMATION		
MJKB42	○ LARC UPWT 1152(1A94A) OTSAT130	-6.000	12.000	2.000	12.000	2.000	SREF	2690.0000	SQ. FT.
MJKB43	□ LARC UPWT 1152(1A94A) OTSAT130	-4.000	12.000	2.000	12.000	2.000	LREF	1290.3000	INCHES
MJKB44	◇ LARC UPWT 1152(1A94A) OTSAT130	.000	12.000	2.000	12.000	2.000	BREF	1290.3000	INCHES
MJKB45	△ LARC UPWT 1152(1A94A) OTSAT130	4.000	12.000	2.000	12.000	2.000	XMRP	976.0000	IN. XT
MJKB46	▽ LARC UPWT 1152(1A94A) OTSAT130	6.000	12.000	2.000	12.000	2.000	YMRP	.0000	IN. YT
							ZMRP	400.0000	IN. ZT
							SCALE	.0100	

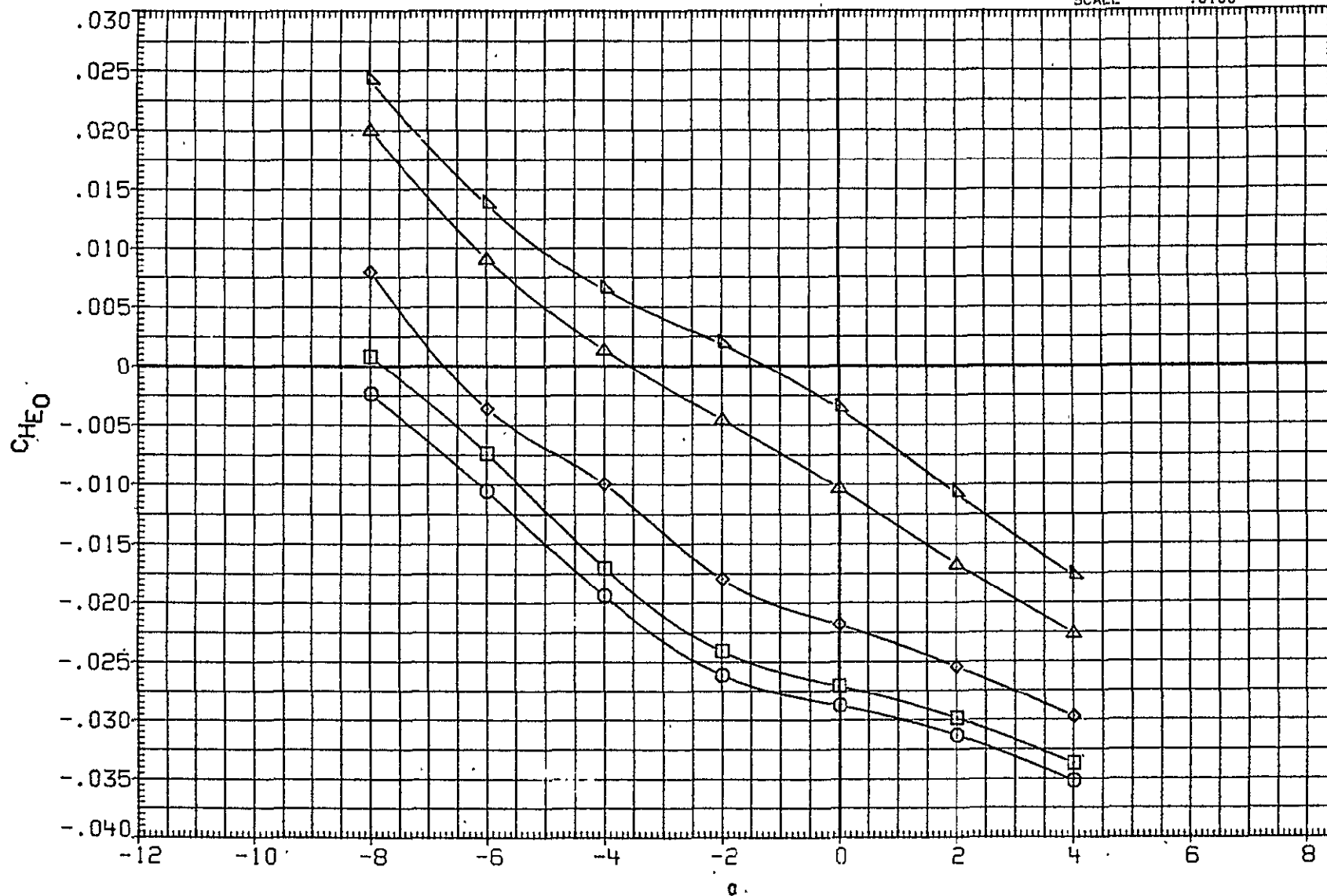


FIG. 7 LEFT ELEVON SEGMENT DEFLECTIONS CORRECTED FOR APPLIED LOAD

(A) MACH = 1.55

DATA SET	SYMBOL	CONFIGURATION	BETA	ELV-L1	ELV-L0	ELV-R1	ELV-R0	REFERENCE INFORMATION		
MJKB47	○	LARC UPWT 1152(1A94A) OTSAT130	-6.000	8.000	2.000	8.000	2.000	SREF	2690.0000	SQ.FT.
MJKB48	□	LARC UPWT 1152(1A94A) OTSAT130	-4.000	8.000	2.000	8.000	2.000	LREF	1290.3000	INCHES
MJKB49	◇	LARC UPWT 1152(1A94A) OTSAT130	.000	8.000	2.000	8.000	2.000	BREF	1290.3000	INCHES
MJKB50	△	LARC UPWT 1152(1A94A) OTSAT130	4.000	8.000	2.000	8.000	2.000	XMRP	976.0000	IN. XT
MJKB51	▽	LARC UPWT 1152(1A94A) OTSAT130	6.000	8.000	2.000	8.000	2.000	YMRP	.0000	IN. YT
								ZMRP	400.0000	IN. ZT
								SCALE	.0100	

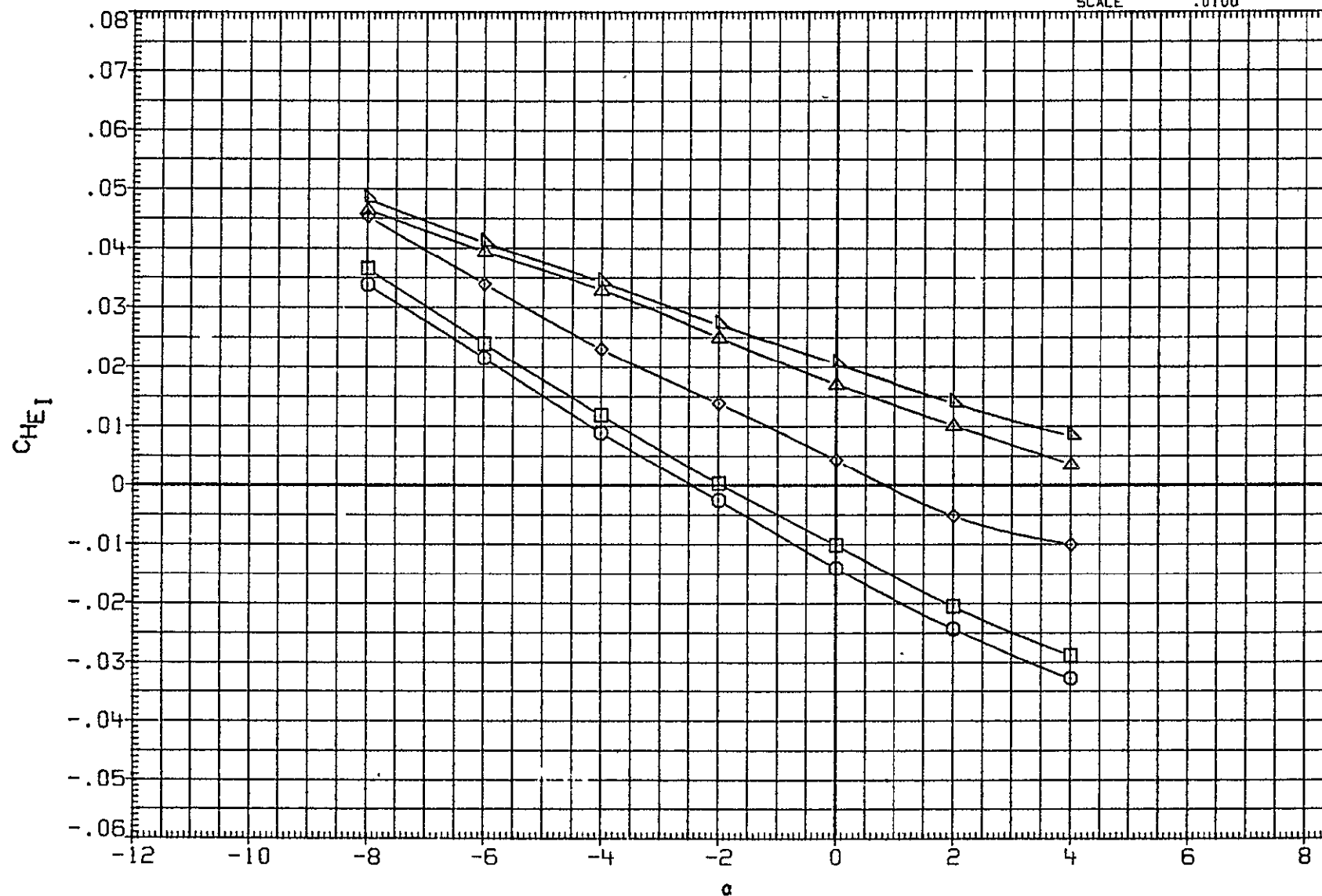


FIG. 7 LEFT ELEVON SEGMENT DEFLECTIONS CORRECTED FOR APPLIED LOAD

DATA SET	SYMBOL	CONFIGURATION	BETA	ELV-LI	ELV-LO	ELV-RI	ELV-RO	REFERENCE INFORMATION		
MJKB47	○	LARC UPWT 1152(1A94A) OTSAT130	-6.000	8.000	2.000	8.000	2.000	SREF	2690.0000	SQ.FT.
MJKB48	□	LARC UPWT 1152(1A94A) OTSAT130	-4.000	8.000	2.000	8.000	2.000	LREF	1290.3000	INCHES
MJKB49	◇	LARC UPWT 1152(1A94A) OTSAT130	.000	8.000	2.000	8.000	2.000	BREF	1290.3000	INCHES
MJKB50	△	LARC UPWT 1152(1A94A) OTSAT130	4.000	8.000	2.000	8.000	2.000	XMRP	976.0000	IN. XT
MJKB51	▽	LARC UPWT 1152(1A94A) OTSAT130	6.000	8.000	2.000	8.000	2.000	YMRP	.0000	IN. YT
								ZMRP	400.0000	IN. ZT
								SCALE	.0100	

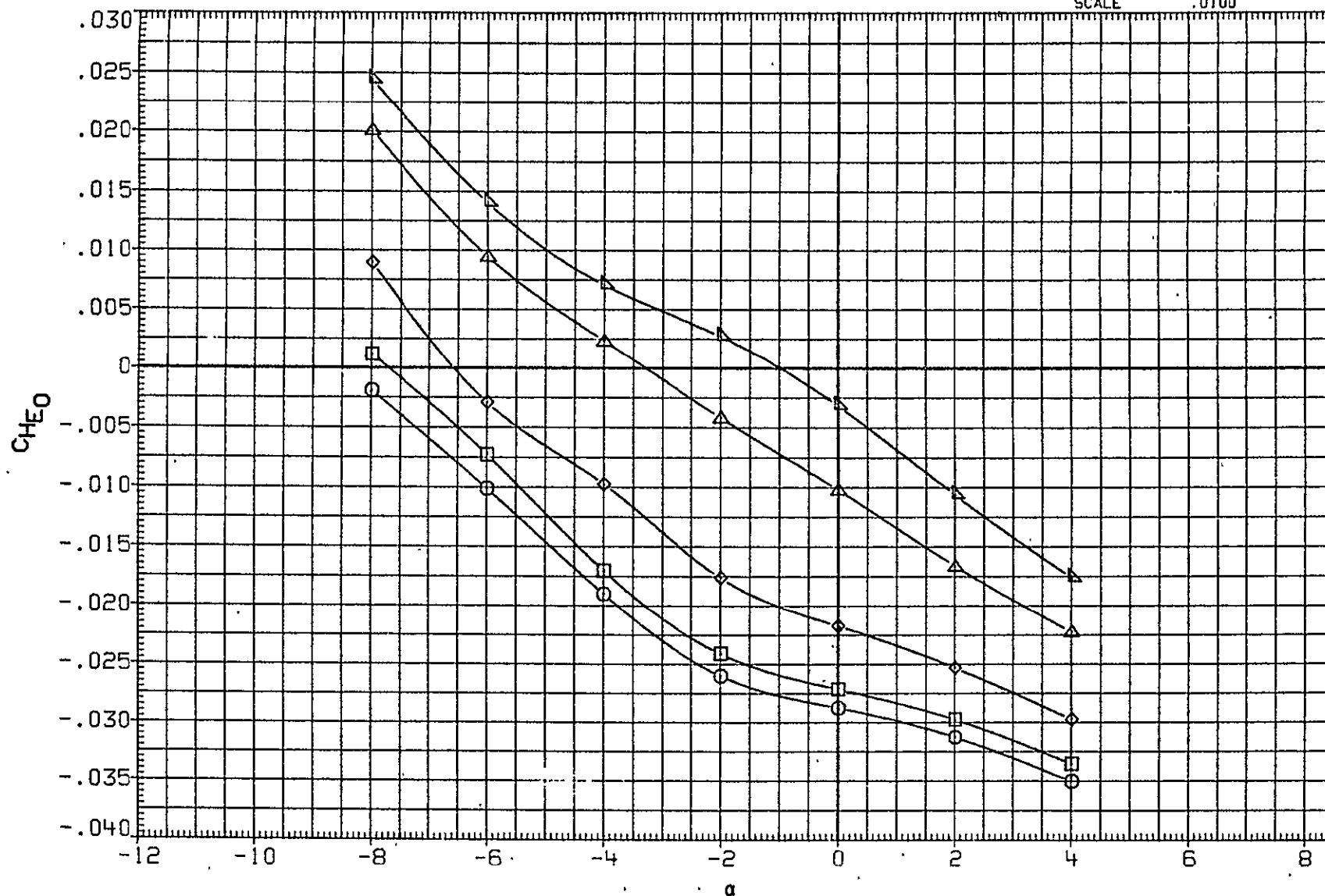


FIG. 7 LEFT ELEVON SEGMENT DEFLECTIONS CORRECTED FOR APPLIED LOAD

(A) MACH = 1.55

DATA SET	SYMBOL	CONFIGURATION	BETA	ELV-LI	ELV-LO	ELV-RI	ELV-RO	REFERENCE INFORMATION		
MJB52	○	LARC UPWT 1152(1A94A) OTSAT130	-6.000	8.000	-5.000	8.000	-5.000	SREF	2690.0000	50. FT.
MJB53	□	LARC UPWT 1152(1A94A) OTSAT130	-4.000	8.000	-5.000	8.000	-5.000	LREF	1290.3000	INCHES
MJB54	◇	LARC UPWT 1152(1A94A) OTSAT130	.000	8.000	-5.000	8.000	-5.000	BREF	1290.3000	INCHES
MJB55	△	LARC UPWT 1152(1A94A) OTSAT130	4.000	8.000	-5.000	8.000	-5.000	XMRP	976.0000	IN. XT
MJB56	▽	LARC UPWT 1152(1A94A) OTSAT130	6.000	8.000	-5.000	8.000	-5.000	YMRP	.0000	IN. YT
								ZMRP	400.0000	IN. ZT
								SCALE	.0100	

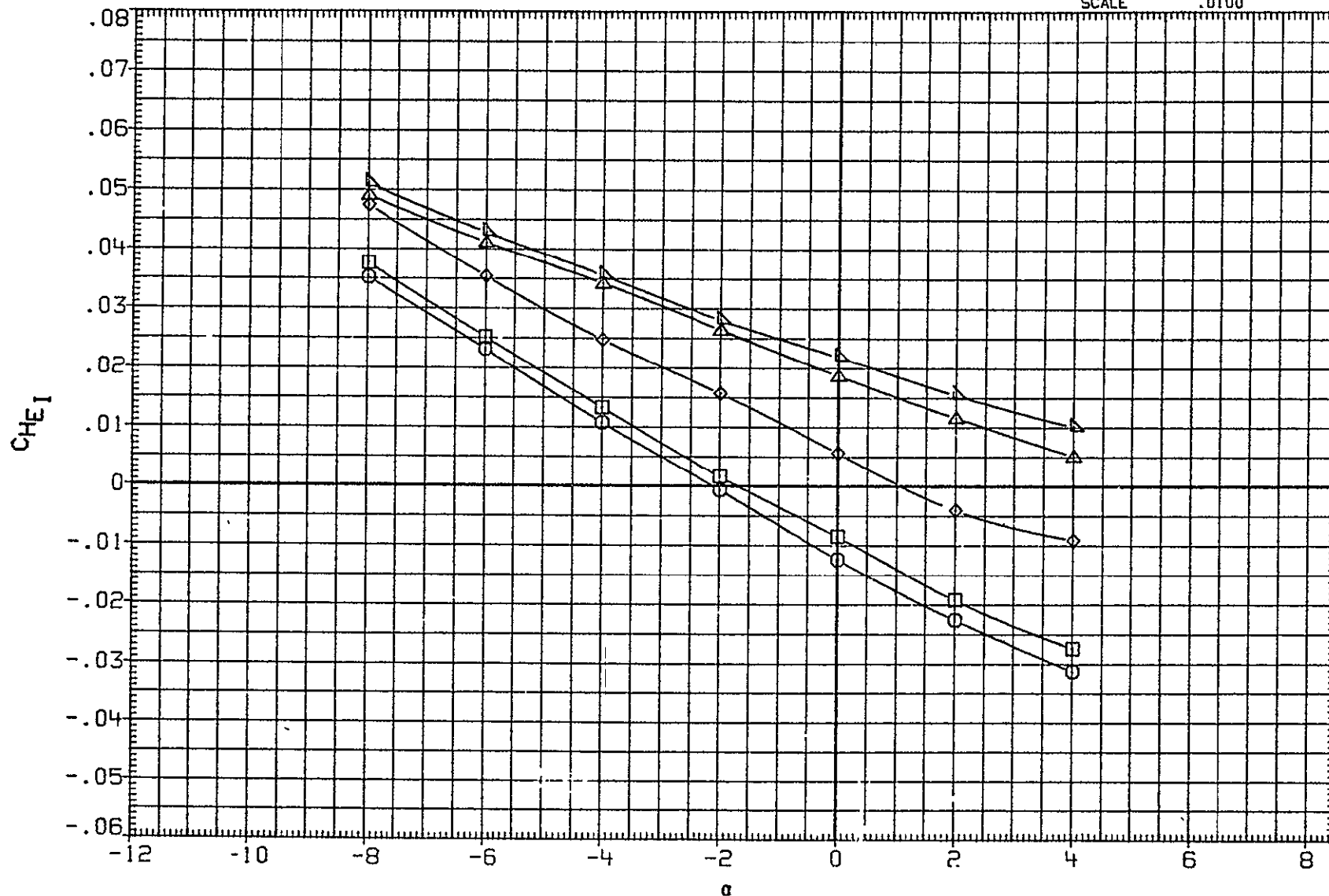


FIG. 7 LEFT ELEVON SEGMENT DEFLECTIONS CORRECTED FOR APPLIED LOAD

(A) MACH = 1.55

DATA SET	SYMBOL	CONFIGURATION	BETA	ELV-LI	ELV-LO	ELV-RI	ELV-RO	REFERENCE INFORMATION		
MJK852	○	LARC UPWT 1152(1A94A) OTSAT130	-6.000	8.000	-5.000	8.000	-5.000	SREF	2690.0000	SQ.FT.
MJK853	□	LARC UPWT 1152(1A94A) OTSAT130	-4.000	8.000	-5.000	8.000	-5.000	LREF	1290.3000	INCHES
MJK854	◇	LARC UPWT 1152(1A94A) OTSAT130	.000	8.000	-5.000	8.000	-5.000	BREF	1290.3000	INCHES
MJK855	△	LARC UPWT 1152(1A94A) OTSAT130	4.000	8.000	-5.000	8.000	-5.000	XMRP	976.0000	IN. XT
MJK856	▽	LARC UPWT 1152(1A94A) OTSAT130	6.000	8.000	-5.000	8.000	-5.000	YMRP	.0000	IN. YT
								ZMRP	400.0000	IN. ZT
								SCALE	.0100	

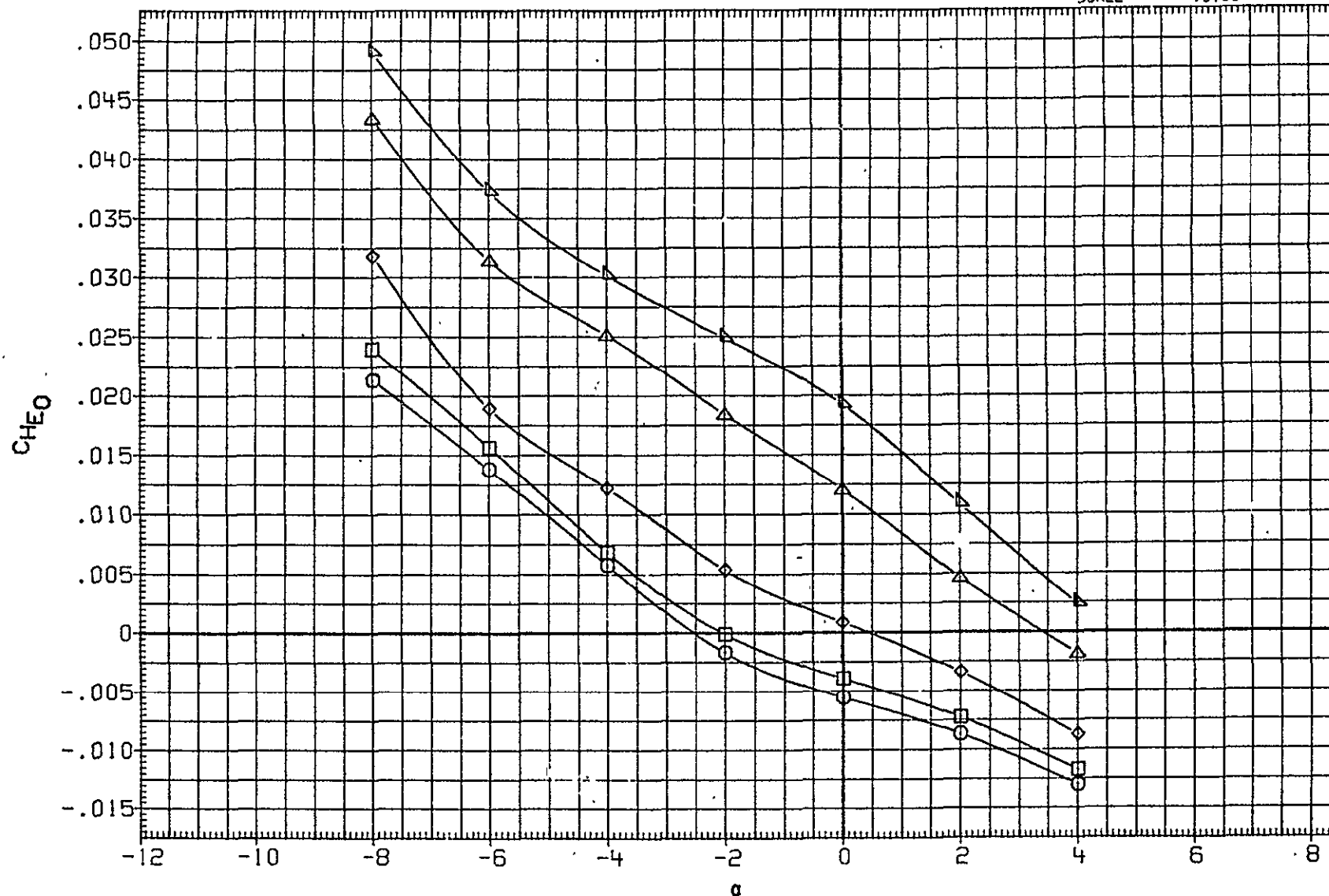


FIG. 7 LEFT ELEVON SEGMENT DEFLECTIONS CORRECTED FOR APPLIED LOAD

(A) MACH = 1.55

DATA SET	SYMBOL	CONFIGURATION	BETA	ELV-LI	ELV-LO	ELV-RI	ELV-RO	REFERENCE INFORMATION		
MJKB57	○	LARC UPWT 1152(1A94A) OTSAT130	-6.000	8.000	-10.000	8.000	-10.000	SREF	2690.0000	SQ.FT.
MJKB58	□	LARC UPWT 1152(1A94A) OTSAT130	-4.000	8.000	-10.000	8.000	-10.000	LREF	1290.3000	INCHES
MJKB59	◇	LARC UPWT 1152(1A94A) OTSAT130	0.000	8.000	-10.000	8.000	-10.000	BREF	1290.3000	INCHES
MJKB60	△	LARC UPWT 1152(1A94A) OTSAT130	4.000	8.000	-10.000	8.000	-10.000	XMRP	976.0000	IN. XT
MJKB61	▽	LARC UPWT 1152(1A94A) OTSAT130	6.000	8.000	-10.000	8.000	-10.000	YMRP	.0000	IN. YT
								ZMRP	400.0000	IN. ZT
								SCALE	0100	

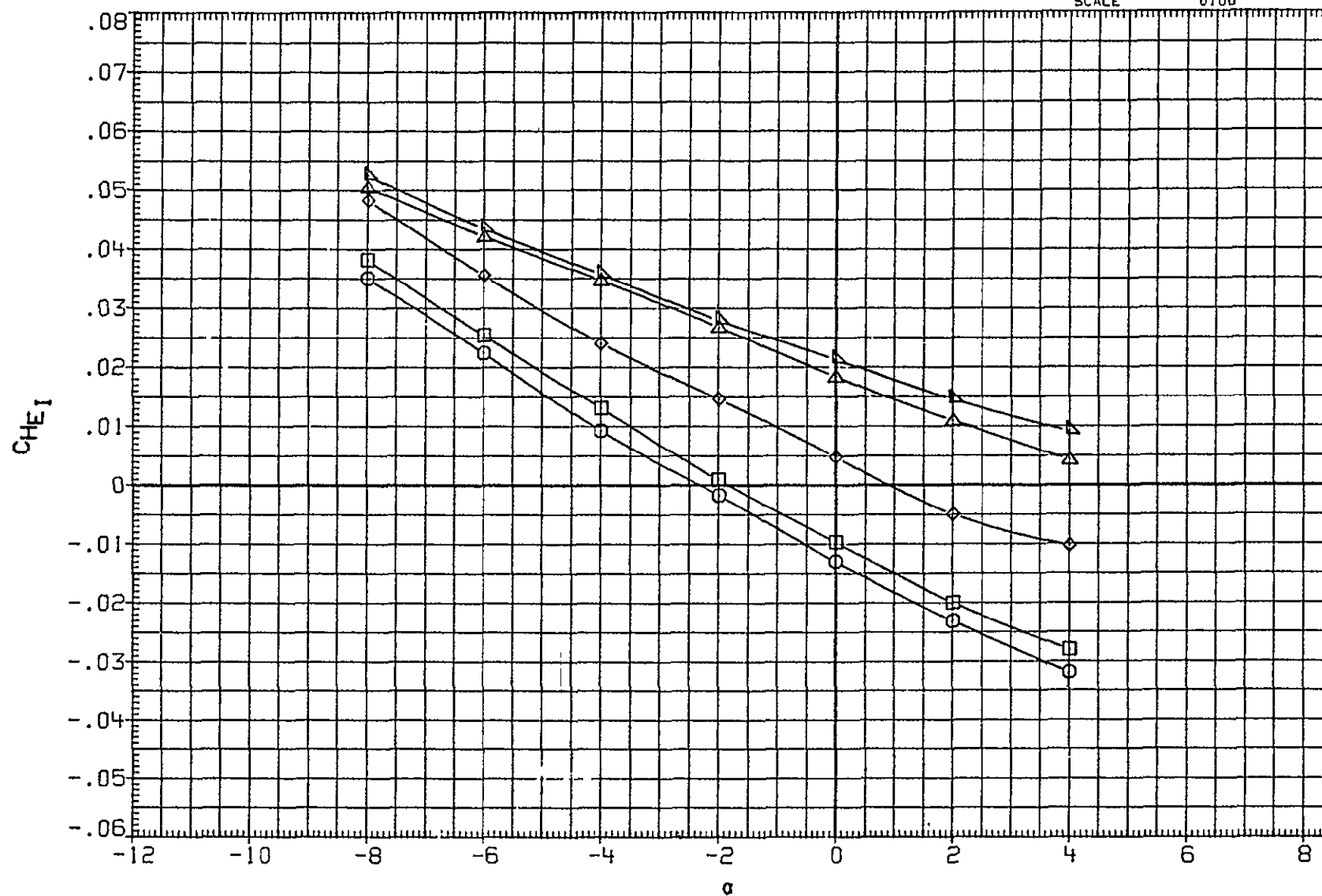


FIG. 7 LEFT ELEVON SEGMENT DEFLECTIONS CORRECTED FOR APPLIED LOAD

DATA SET	SYMBOL	CONFIGURATION	BETA	ELV-LI	ELV-LO	ELV-RI	ELV-RO'	REFERENCE INFORMATION		
MJKB57	○	LARC UPWT 1152(1A94A) OTSAT130	-6.000	8.000	-10.000	8.000	-10.000	SREF	2690.0000	SQ.FT.
MJKB58	□	LARC UPWT 1152(1A94A) OTSAT130	-4.000	8.000	-10.000	8.000	-10.000	LREF	1290.3000	INCHES
MJKB59	◇	LARC UPWT 1152(1A94A) OTSAT130	.000	8.000	-10.000	8.000	-10.000	BREF	1290.3000	INCHES
MJKB60	△	LARC UPWT 1152(1A94A) OTSAT130	4.000	8.000	-10.000	8.000	-10.000	XMRF	976.0000	IN. XT
MJKB61	▽	LARC UPWT 1152(1A94A) OTSAT130	6.000	8.000	-10.000	8.000	-10.000	YMRF	.0000	IN. YT
								ZMRF	400.0000	IN. ZT
								SCALE	.0100	

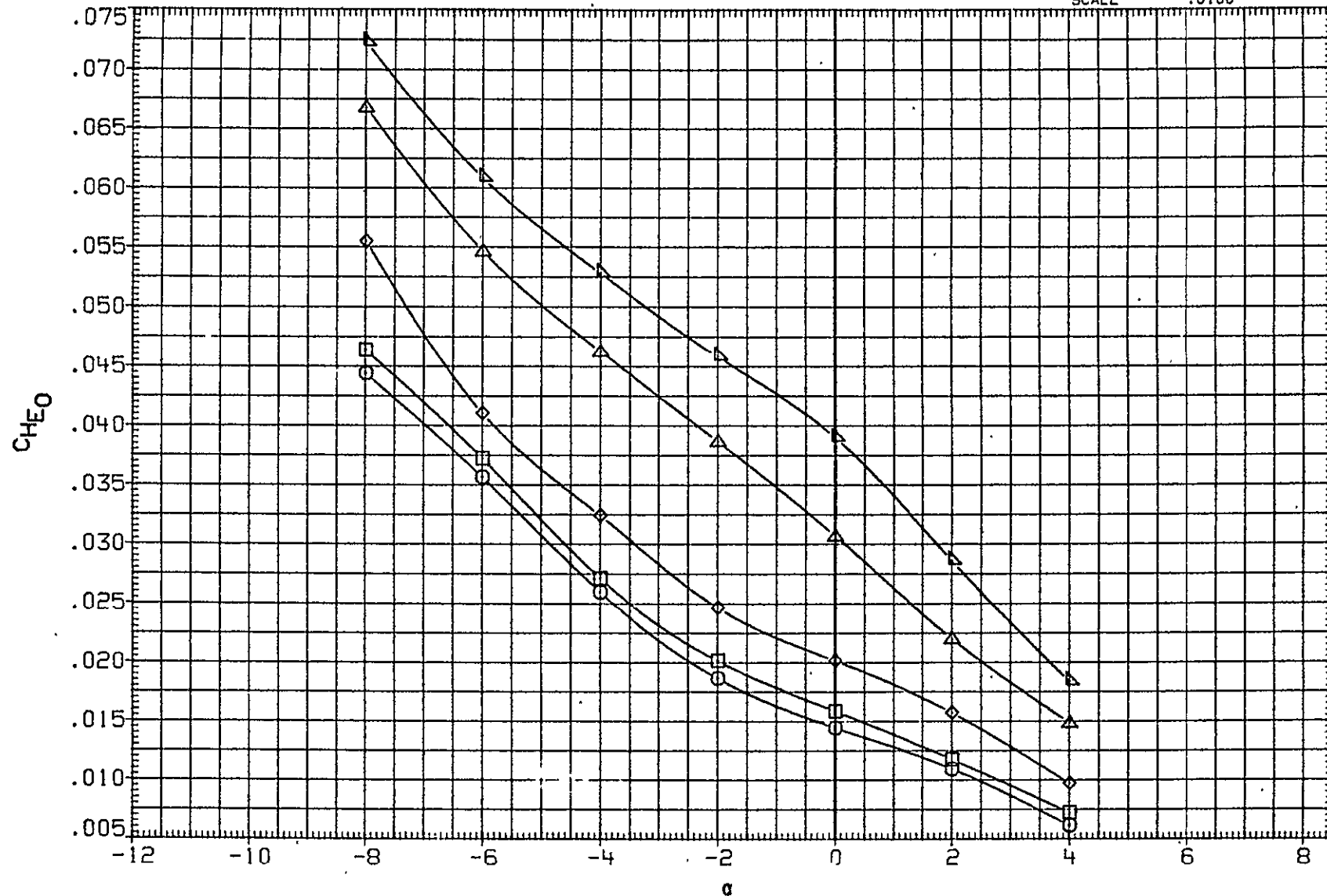


FIG. 7 LEFT ELEVON SEGMENT DEFLECTIONS CORRECTED FOR APPLIED LOAD

(A) MACH = 1.55

APPENDIX

TABULATED SOURCE DATA

Tabulations of plotted data are available on request from Data Management Services.

DATE 29 OCT 76

TABULATED SOURCE DATA - 1A94A.

PAGE 1

LARC UPWT 1152(1A94A) OTSAT129

(RJK001) (18 JUN 76)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT
 LREF = 1290.3000 INCHES YMRP = .0000 IN. YT
 BREF = 1290.3000 INCHES ZMRP = 400.0000 IN. ZT
 SCALE = .0100

PARAMETRIC DATA

BETA = -6.000 ELV-LI = .000
 ELV-LO = .000 ELV-RI = .000
 ELV-RO = .000

RUN NO. 3/ 0 RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	CPB1	CPB2	CPB3	CPB4.5	CPB6	CPB7	CPB8	CPC0	CAU	CNU
1.550	-8.461	-.26441	-.28425	-.25765	-.37050	-.30836	-.30327	-.24664	-.25547	.46833	-.61895
1.550	-6.341	-.26223	-.27869	-.25578	-.38463	-.31814	-.29398	-.24691	-.25422	.46966	-.45810
1.550	-4.203	-.26048	-.27110	-.25495	-.37885	-.31852	-.28695	-.24608	-.25461	.46636	-.30582
1.550	-2.111	-.26109	-.26865	-.25741	-.38838	-.31669	-.28078	-.24639	-.25676	.46519	-.16064
1.550	.004	-.25992	-.26471	-.25716	-.39272	-.31888	-.27805	-.24614	-.25559	.46349	-.02756
1.550	2.119	-.25712	-.26039	-.25652	-.39424	-.32314	-.27154	-.24611	-.25373	.46224	.10025
1.550	4.215	-.25491	-.25634	-.25154	-.39482	-.32340	-.26654	-.24636	-.25030	.45674	.22279
	GRADIENT	.00072	.00179	.00037	-.00179	-.00077	.00236	-.00001	.00055	-.00105	.06257

RUN NO. 8/ 0 RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	CPB1	CPB2	CPB3	CPB4.5	CPB6	CPB7	CPB8	CPC0	CAU	CNU
2.000	-7.750	-.20292	-.21958	-.19762	-.27339	-.24358	-.22492	-.00276	-.19683	.42041	-.55008
2.000	-5.638	-.20191	-.22013	-.19755	-.27460	-.24755	-.22361	-.00260	-.19707	.41535	-.40620
2.000	-3.527	-.20319	-.22202	-.19851	-.27710	-.24633	-.21802	-.00237	-.19741	.41149	-.27219
2.000	-1.423	-.20599	-.22636	-.20193	-.28176	-.24479	-.20773	-.00237	-.20019	.40772	-.14447
2.000	.673	-.21031	-.23224	-.20625	-.28516	-.24725	-.19866	-.00231	-.20388	.40545	-.02304
2.000	2.766	-.20778	-.22972	-.20496	-.28110	-.24628	-.18769	-.00220	-.20445	.40124	.09173
2.000	4.868	-.20871	-.22444	-.20341	-.27675	-.24752	-.18737	-.00220	-.20322	.39500	.20664
	GRADIENT	-.00061	-.00039	-.00061	.00006	-.00018	.00388	.00002	-.00076	-.00188	.05691

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DATE 29 OCT 76

TABULATED SOURCE DATA - 1A94A.

PAGE 2

LARC UPWT 1152(1A94A) OTSAT129

(RJK002) (18 JUN 76)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT
 LREF = 1290.3000 INCHES YMRP = .0000 IN. YT
 BREF = 1290.3000 INCHES ZMRP = 400.0000 IN. ZT
 SCALE = .0100

PARAMETRIC DATA

BETA = -4.000 ELV-LI = .000
 ELV-LO = .000 ELV-RI = .000
 ELV-RO = .000

RUN NO. 4/ 0 RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5 00

MACH	ALPHA	CPB1	CPB2	CPB3	CPB4.5	CPB6	CPB7	CPB8	CPCO	CAU	CNU
1.550	-8.459	-.26103	-.27811	-.25151	-.38311	-.32307	-.29895	-.24540	-.24874	.47062	-.61657
1.550	-6.338	-.25771	-.27448	-.25003	-.37085	-.31056	-.29221	-.24547	-.24880	.46772	-.45484
1.550	-4.208	-.25408	-.26441	-.24917	-.36075	-.30203	-.28763	-.24584	-.24794	.46302	-.30571
1.550	-2.097	-.25313	-.25854	-.25006	-.37026	-.30599	-.28235	-.24550	-.24852	.46150	-.15989
1.550	.014	-.24793	-.25274	-.24671	-.37919	-.31337	-.27033	-.24553	-.24427	.45893	-.02603
1.550	2.120	-.24741	-.24670	-.24465	-.38171	-.31528	-.26980	-.24562	-.24314	.45732	.10228
1.550	4.217	-.24704	-.24633	-.24459	-.38228	-.31584	-.26171	-.24587	-.24216	.45348	.22068
	GRADIENT	.00094	.00228	.00069	-.00259	-.00175	.00306	-.00001	.00080	-.00110	.06242

RUN NO. 9/ 0 RN/L = 2.00 GRADIENT INTERVAL = -5 00/ 5.00

MACH	ALPHA	CPB1	CPB2	CPB3	CPB4.5	CPB6	CPB7	CPB8	CPCO	CAU	CNU
2.000	-7.746	-.19005	-.21667	-.18599	-.27705	-.24317	-.22294	-.00184	-.18525	.41936	-.54511
2.000	-5.637	-.19131	-.21668	-.18694	-.27675	-.24225	-.22482	-.00187	-.18619	.41349	-.40362
2.000	-3.524	-.19382	-.21639	-.18883	-.27862	-.23917	-.21922	-.00192	-.18807	.40876	-.26790
2.000	-1.400	-.19691	-.21762	-.19192	-.28048	-.23855	-.20922	-.00220	-.19146	.40539	-.14203
2.000	.668	-.20188	-.22196	-.19813	-.28297	-.24133	-.19549	-.00189	-.19858	.40323	-.02584
2.000	2.776	-.20436	-.22196	-.19937	-.28172	-.24226	-.19018	-.00189	-.20012	.39866	.09263
2.000	4.859	-.20342	-.20924	-.19998	-.27519	-.24411	-.18705	-.00187	-.19949	.39432	.20429
	GRADIENT	-.00127	.00047	-.00142	.00027	-.00065	.00398	.00002	-.00150	-.00170	.05630

DATE 29 OCT 76

TABULATED SOURCE DATA - 1A94A.

PAGE 3

LARC UPWT 1152(1A94A) OTSAT129

(RJ003) (18 JUN 76)

REFERENCE DATA

PARAMETRIC DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT
 LREF = 1290.3000 INCHES YMRP = .0000 IN. YT
 BREF = 1290.3000 INCHES ZMRP = 400.0000 IN. ZT
 SCALE = .0100

BETA = .000 ELV-LI = .000
 ELV-LO = .000 ELV-RI = .000
 ELV-RO = .000

RUN NO. 2/ 0		RN/L = 2.00		GRADIENT INTERVAL = -5.00/ 5.00							
MACH	ALPHA	CPB1	CPB2	CPB3	CPB4.5	CPB6	CPB7	CPB8	CPC0	CAU	CNU
1.550	-8.447	-.25590	-.27453	-.23499	-.35159	-.29592	-.29815	-.24981	-.23320	.46913	-.60330
1.550	-6.320	-.25772	-.27358	-.23926	-.34726	-.29191	-.29070	-.24948	-.23623	.46411	-.44439
1.550	-4.183	-.25196	-.26015	-.23905	-.33933	-.28494	-.28058	-.24988	-.23572	.45915	-.29618
1.550	-2.099	-.24852	-.25302	-.24176	-.34236	-.28365	-.27249	-.24981	-.23810	.45884	-.15569
1.550	.019	-.24639	-.24722	-.24117	-.34239	-.28675	-.26850	-.24954	-.23997	.45926	-.02010
1.550	2.123	-.23929	-.23797	-.23745	-.34575	-.28979	-.26445	-.24920	-.23535	.45595	.09965
1.550	4.230	-.23095	-.22841	-.22973	-.35403	-.29037	-.26133	-.24917	-.22643	.45046	.21962
	GRADIENT	.00244	.00373	.00109	-.00156	-.00081	.00221	.00010	.00101	-.00096	.06114

RUN NO. 7/ 0		RN/L = 1.99		GRADIENT INTERVAL = -5.00/ 5.00							
MACH	ALPHA	CPB1	CPB2	CPB3	CPB4.5	CPB6	CPB7	CPB8	CPC0	CAU	CNU
2.000	-7.740	-.17804	-.18792	-.17275	-.26375	-.22684	-.22239	-.00299	-.17175	.41706	-.54024
2.000	-5.615	-.17888	-.18659	-.17638	-.26152	-.21779	-.22201	-.00249	-.17506	.40992	-.39330
2.000	-3.515	-.18257	-.18748	-.18100	-.26026	-.21250	-.21417	-.00241	-.17935	.40528	-.26548
2.000	-1.412	-.18533	-.18982	-.18437	-.26366	-.21742	-.20602	-.00264	-.18209	.40263	-.14463
2.000	.683	-.18863	-.19261	-.18643	-.27012	-.22353	-.19842	-.00209	-.18445	.40048	-.02575
2.000	2.778	-.19327	-.19600	-.18921	-.27167	-.22784	-.19464	-.00203	-.18845	.39467	.08813
2.000	4.861	-.18393	-.18472	-.18257	-.26726	-.22777	-.19236	-.00244	-.18060	.38786	.20155
	GRADIENT	-.00050	-.00034	-.00038	-.00105	-.00196	.00263	.00003	-.00042	-.00204	.05572

DATE 29 OCT 76

TABULATED SOURCE DATA - 1A94A.

PAGE 4

LARC UPWT 1152(1A94A) OTSAT129

(RJK004) (18 JUN 76)

REFERENCE DATA

PARAMETRIC DATA

SREF = 2690 0000 SQ.FT. XMRP = 976 0000 IN. XT
 LREF = 1290.3000 INCHES YMRP = .0000 IN. YT
 BREF = 1290.3000 INCHES ZMRP = 400.0000 IN. ZT
 SCALE = 0100

BETA = 4.000 ELV-LI = .000
 ELV-LO = .000 ELV-RI = .000
 ELV-RO = .000

RUN NO. 5/ 0 RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	CPB1	CPB2	CPB3	CPB4.5	CPB6	CPB7	CPB8	CPCO	CAU	CNU
1.550	-8.454	-25995	-27211	-24520	-31804	-27112	-29290	-24494	-24369	.46842	-.61371
1.550	-6.331	-.26204	-.27174	-.24729	-.33275	-.28761	-.28791	-.24488	-.24332	.46610	-.45076
1.550	-4.222	-.26149	-.26720	-.24920	-.32819	-.28368	-.28179	-.24494	-.24307	.46232	-.30397
1.550	-2.087	-.25961	-.26072	-.25071	-.31617	-.27079	-.27095	-.24491	-.24243	.45784	-.15839
1.550	.024	-.25746	-.25520	-.25071	-.30818	-.25976	-.25767	-.24491	-.24519	.45428	-.02372
1.550	2.115	-.25353	-.24943	-.24554	-.31013	-.25615	-.25464	-.24497	-.24524	.45128	.10414
1.550	4.215	-.24910	-.24439	-.24080	-.31988	-.25572	-.25360	-.24485	-.24175	.44788	.21821
	GRADIENT	00146	.00270	00104	00108	.00335	.00345	.00001	-.00001	-.00168	.06202

RUN NO 10/ 0 RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	CPB1	CPB2	CPB3	CPB4.5	CPB6	CPB7	CPB8	CPCO	CAU	CNU
2.000	-7.740	-19752	-.20489	-.18476	-.25469	-.21749	-.22513	-.00155	-.18619	.42050	-.53759
2.000	-5.630	-.19536	-.20304	-.18416	-.24724	-.20883	-.22264	-.00127	-.18435	.41448	-.39463
2.000	-3.516	-.19441	-.19652	-.18601	-.23916	-.19674	-.21608	-.00124	-.18588	.40815	-.26030
2.000	-1.409	-.19567	-.19560	-.18975	-.24134	-.19149	-.20860	-.00127	-.18930	.40389	-.13972
2.000	.686	-.19939	-.19715	-.19409	-.24880	-.19645	-.19861	-.00158	-.19363	.40165	-.02100
2.000	2.761	-.20157	-.19901	-.19813	-.25563	-.19861	-.18769	-.00158	-.19703	.39566	.05248
2.000	4.859	-.20436	-.20211	-.20030	-.25377	-.19676	-.18769	-.00189	-.19981	.39110	.20713
	GRADIENT	-.00123	-.00070	-.00177	-.00208	-.00034	00371	-.00008	-.00170	-.00202	05579

DATE 29 OCT 76

TABULATED SOURCE DATA - 1A94A.

PAGE 5

LARC UPWT 1152(1A94A) OTSAT129

(RJK005) (18 JUN 76)

REFERENCE DATA

SREF = 2690.0000 SQ FT. XMRP = 976.0000 IN. XT
 LREF = 1290.3000 INCHES YMRP = 0000 IN. YT
 BREF = 1290.3000 INCHES ZMRP = 400.0000 IN. ZT
 SCALE = .0100

PARAMETRIC DATA

BETA = 6.000 ELV-L1 = .000
 ELV-LO = .000 ELV-RI = .000
 ELV-RO = .000

RUN NO. 6/ 0 RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	CPB1	CPB2	CPB3	CPB4.5	CPB6	CPB7	CPB8	CPC0	CAU	CNU
1.550	-8.452	-.27370	-.27970	-.25771	-.29522	-.25357	-.29777	-.24393	-.25706	.46459	-.61515
1.550	-6.335	-.27652	-.28221	-.26023	-.31279	-.26680	-.29133	-.24399	-.25712	.46626	-.45329
1.550	-4.197	-.27736	-.28090	-.26231	-.31668	-.27071	-.28321	-.24454	-.25675	.46339	-.30217
1.550	-2.078	-.27247	-.27295	-.25866	-.30472	-.25635	-.27429	-.24427	-.25403	.45879	-.15705
1.550	.023	-.26876	-.26587	-.25556	-.29487	-.23306	-.26562	-.24424	-.25339	.45537	-.02369
1.550	2.114	-.26544	-.26133	-.25439	-.29830	-.24506	-.26259	-.24430	-.25161	.45296	.10005
1.550	4.214	-.26058	-.25617	-.25046	-.30756	-.24726	-.25679	-.24436	-.25045	.44785	.22009
	GRADIENT	.00193	.00291	.00133	.00118	.00277	.00307	.00002	.00071	-.00176	.06195

RUN NO 11/ 0 RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	CPB1	CPB2	CPB3	CPB4.5	CPB6	CPB7	CPB8	CPC0	CAU	CNU
2.000	-7.740	-.20374	-.20956	-.19502	-.23109	-.19552	-.22857	-.00065	-.19610	.41875	-.53990
2.000	-5.642	-.20378	-.20525	-.19444	-.22522	-.19308	-.22111	-.00073	-.19428	.41259	-.39790
2.000	-3.507	-.20497	-.20551	-.19626	-.22797	-.19179	-.21608	-.00062	-.19671	.40681	-.26603
2.000	-1.407	-.20593	-.20616	-.19783	-.23110	-.18408	-.20611	-.00067	-.19859	.40218	-.13624
2.000	.683	-.20783	-.20681	-.20097	-.23672	-.18412	-.19772	-.00075	-.20172	.39879	-.01796
2.000	2.766	-.21058	-.20863	-.20558	-.24320	-.18840	-.19174	-.00065	-.20631	.39417	.09571
2.000	4.863	-.21060	-.20803	-.20499	-.24353	-.18688	-.19083	-.00132	-.20571	.38967	.20950
	GRADIENT	-.00076	-.00636	-.00121	-.00207	.00026	.00310	-.00007	-.00123	-.00202	.05657

DATE 29 OCT 76

TABULATED SOURCE DATA - 1A94A.

PAGE 6

LARC UPWT 1152(1A94A) OTSAT129 (INVERTED)

(RJK006) (18 JUN 76)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT
 LREF = 1290.3000 INCHES YMRP = .0000 IN. YT
 BREF = 1290.3000 INCHES ZMRP = 400.0000 IN. ZT
 SCALE = .0100

PARAMETRIC DATA

BETA = .000 ELV-LI = .000
 ELV-LO = .000 ELV-RI = .000
 ELV-RO = .000

RUN NO. 1/ 0 RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00											
MACH	ALPHA	CPB1	CPB2	CPB3	CPB4.5	CPB6	CPB7	CPB8	CPCO	CAU	CNU
1.550	-4.423	-25133	-25831	-.23962	-.33493	-.27702	-.27817	-.24615	-.23597	.46015	-.31561
1.550	-2.286	-24921	-25095	-.24243	-.33527	-.27859	-.27169	-.24371	-.23907	.45927	-.17072
1.550	-.158	-.24843	-.24710	-.24228	-.33446	-.28242	-.26657	-.24139	-.24076	.45979	-.03171
1.550	1.936	-24156	-.23931	-23879	-.33809	-28571	-.26276	-.23913	-23668	.45663	.09265
1.550	4.038	-23299	-23014	-23084	-.34553	-.28546	-.26158	-.23672	-.22845	.45059	.20868
1.550	6.165	-.22994	-22678	-.22717	-35912	-.29716	-.26347	-.23304	-22511	.44640	.33220
1.550	8.230	-22418	-.22134	-.22141	-.36751	-.29939	-25860	-.23438	-.21907	.44200	.44510
	GRADIENT	.00209	.00321	.00100	-.00113	-.00114	.00199	.00111	.00082	-.00103	.06206

RUN NO. 12/ 0 RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00											
MACH	ALPHA	CPB1	CPB2	CPB3	CPB4.5	CPB6	CPB7	CPB8	CPCO	CAU	CNU
2.000	-5.053	-.17896	-.18512	-.17708	-25785	-.20610	-21084	-.00045	-.17545	.40393	-.35933
2.000	-2.944	-.18299	-.18729	-.18173	-.26343	-.21446	-.20272	-.00045	-.18040	.40075	-.23343
2.000	-.839	-.18613	-.18886	-.18487	-.26749	-.21943	-.19838	-.00051	-.18351	.39901	-.11217
2.000	1.264	-.18923	-.19196	-.18673	-.26842	-.22345	-.19339	-.00051	-.18568	.39660	.00381
2.000	3.364	-.18986	-.19136	-.18643	-26532	-.22532	-.19278	-.00084	-.18631	.39198	.11600
2.000	5.478	-.18243	-.18269	-.18210	-.26408	-.22564	-19279	-.00056	-.18014	.38622	.23868
2.000	7.560	-.18891	-.18544	-.18827	-.26562	-22375	-19244	-.00079	-.18226	.38926	.36334
	GRADIENT	-.00113	-.00073	-.00076	-.00031	-.00174	.00166	-.00006	-.00095	-.00137	.05537

DATE 29 OCT 76

TABULATED SOURCE DATA - 1A94A

PAGE 7

LARC UPWT 1152(1A94A) OTSAT130

(RLK007) (18 JUN 76)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN XT
 LREF = 1290.3000 INCHES YMRP = .0000 IN YT
 BREF = 1290.3000 INCHES ZMRP = 400.0000 IN. ZT
 SCALE = .0100

PARAMETRIC DATA

BETA = -6.000 ELV-LI = .000
 ELV-LO = .000 ELV-RI = .000
 ELV-RO = .000

RUN NO. 14/ 0 RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	CPB1	CPB2	CPB3	CPB4.5	CPB6	CPB7	CPB8	CPC0	CAU	CNU
1.550	-8.462	-.26445	-.28463	-.25707	-.37100	-.30878	-.30736	-.31394	-.25735	.46495	-.51270
1.550	-6.337	-.26303	-.27951	-.25626	-.38524	-.31840	-.29540	-.29182	-.25686	.46726	-.45472
1.550	-4.221	-.26161	-.27225	-.25546	-.38039	-.31819	-.28933	-.28329	-.25668	.46448	-.30389
1.550	-2.094	-.26256	-.26951	-.25857	-.38718	-.31760	-.27884	-.28023	-.25885	.46277	-.15970
1.550	.016	-.26416	-.26834	-.26232	-.39368	-.32102	-.27395	-.28029	-.26044	.46105	-.02135
1.550	.110	-.26052	-.26256	-.25838	-.39648	-.32659	-.26937	-.27417	-.25713	.46097	.10126
1.550	.424	-.25647	-.25728	-.25309	-.39675	-.32439	-.26777	-.26394	-.25217	.45530	.22713
	GRADIENT	.00058	.00175	.00023	-.00199	-.00101	.00249	.00212	.00051	-.00096	.06272

RUN NO 19/ 0 RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	CPB1	CPB2	CPB3	CPB4.5	CPB6	CPB7	CPB8	CPC0	CAU	CNU
2.000	-7.725	-.20183	-.21757	-.19653	-.26891	-.24190	-.23004	-.24036	-.19762	.41869	-.53946
2.000	-5.632	-.20184	-.21682	-.19747	-.27326	-.24624	-.22693	-.23663	-.19794	.41463	-.39891
2.000	-3.497	-.20459	-.22219	-.19991	-.27759	-.24621	-.21972	-.22819	-.20037	.40923	-.26301
2.000	-1.394	-.20645	-.22560	-.20208	-.28038	-.24435	-.21129	-.21978	-.20253	.40626	-.13677
2.000	.680	-.21269	-.23214	-.20708	-.28412	-.24592	-.20228	-.21234	-.20721	.40421	-.01875
2.000	2.776	-.20988	-.23150	-.20582	-.28287	-.24591	-.19008	-.19862	-.20687	.40050	.09664
2.000	.4873	-.21112	-.22499	-.20551	-.27790	-.24776	-.18884	-.18803	-.20718	.39379	.21298
	GRADIENT	-.00079	-.00055	-.00071	-.00015	-.00022	.00397	.00485	-.00086	-.00175	.05669

DATE 29 OCT 76

TABULATED SOURCE DATA - 1A94A.

PAGE 8

LARC UPWT 1152(1A94A) OTSAT130

(RJK008) (18 JUN 76)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976 0000 IN. XT
 LREF = 1290.3000 INCHES YMRP = .0000 IN. YT
 BREF = 1290.3000 INCHES ZMRP = 400 0000 IN. ZT
 SCALE = .0100

PARAMETRIC DATA

BETA = -4.000 ELV-LI = .000
 ELV-LO = .000 ELV-RI = .000
 ELV-RO = .000

RUN NO. 15/ 0 RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	CPB1	CPB2	CPB3	CPB4.5	CPB6	CPB7	CPB8	CPCO	CAU	CNU
1.550	-8.454	-.25785	-.27496	-.24586	-.38404	-.32274	-.29731	-.30082	-.24620	.46736	-.61262
1.550	-6.325	-.25761	-.27378	-.24931	-.37362	-.31175	-.29396	-.29686	-.24993	.46504	-.45171
1.550	-4.207	-.25641	-.26705	-.25026	-.36071	-.30319	-.28657	-.28547	-.25119	.46164	-.30361
1.550	-2.076	-.25767	-.26370	-.25275	-.37089	-.30781	-.27887	-.27656	-.25306	.46007	-.15804
1.550	.020	-.25419	-.25778	-.25174	-.38099	-.31479	-.27075	-.27400	-.25082	.45837	-.02178
1.550	2.122	-.25087	-.25046	-.24811	-.38256	-.31576	-.27266	-.26666	-.24690	.45705	.10523
1.550	4.225	-.24801	-.24607	-.24463	-.38189	-.31507	-.26639	-.25885	-.24344	.45293	.22610
	GRADIENT	00112	00262	00075	-.00257	-.00151	00221	00300	.00103	-.00097	.06280

RUN NO. 20/ 0 RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	CPB1	CPB2	CPB3	CPB4.5	CPB6	CPB7	CPB8	CPCO	CAU	CNU
2.000	-7.722	-.18939	-.21570	-.18565	-.27729	-.24375	-.22972	-.23506	-.18648	.41784	-.53760
2.000	-5.615	-.19095	-.21632	-.18689	-.27760	-.24282	-.22816	-.23350	-.18772	.41217	-.39322
2.000	-3.514	-.19405	-.21632	-.18937	-.27946	-.24035	-.22161	-.22634	-.18988	.40760	-.26027
2.000	-1.389	-.19686	-.21757	-.19249	-.28133	-.23850	-.21070	-.21545	-.19298	.40142	-.13511
2.000	.700	-.20242	-.22096	-.19837	-.28380	-.24065	-.19820	-.20391	-.20007	.40083	-.01632
2.000	2.772	-.20585	-.22004	-.20086	-.28257	-.24251	-.19228	-.19801	-.20256	.39808	.09592
2.000	4.864	-.20429	-.21011	-.20054	-.27697	-.24405	-.18821	-.18990	-.20193	.39363	.20894
	GRADIENT	-.00141	.00047	-.00147	.00018	-.00054	00408	00432	-.00161	-.00164	.05591

DATE 29 OCT 76

TABULATED SOURCE DATA - 1A94A.

PAGE 9

LARC UPWT 1152(1A94A) OTSAT130

(RJK009) (18 JUN 76)

REFERENCE DATA

PARAMETRIC DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT
 LREF = 1290.3000 INCHES YMRP = .0000 IN. YT
 BREF = 1290.3000 INCHES ZMRP = 400.0000 IN. ZT
 SCALE = 0100

BETA = .000 ELV-LI = .000
 ELV-LO = .000 ELV-RI = .000
 ELV-RO = .000

RUN NO. 13/ 0 RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	CPB1	CPB2	CPB3	CPB4.5	CPB6	CPB7	CPB8	CPC0	CAU	CNU
1.550	-8.440	-.25087	-.26893	-.23270	-.35228	-.29468	-.30120	-.29790	-.23155	.46360	-.59649
1.550	-6.298	-.25514	-.26795	-.23669	-.35054	-.29243	-.29551	-.29100	-.23523	.45780	-.43840
1.550	-4.208	-.25185	-.25701	-.23759	-.34024	-.28572	-.28287	-.27928	-.23672	.45609	-.29414
1.550	-2.066	-.25001	-.25238	-.24167	-.34218	-.28349	-.27534	-.27085	-.24048	.45713	-.14793
1.550	.039	-.24733	-.24662	-.24150	-.34359	-.28707	-.27002	-.26403	-.24124	.45729	-.01712
1.550	2.120	-.24389	-.24073	-.23990	-.34562	-.29005	-.26377	-.25656	-.23935	.45316	.10307
1.550	4.229	-.23339	-.22964	-.23310	-.35307	-.28975	-.26221	-.24883	-.23104	.44758	.22453
	GRADIENT	.00204	.00315	.00051	-.00138	-.00069	.00251	.00357	.00059	-.00099	.06118

RUN NO. 18/ 0 RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	CPB1	CPB2	CPB3	CPB4.5	CPB6	CPB7	CPB8	CPC0	CAU	CNU
2.000	-7.727	-.17808	-.18858	-.17341	-.26620	-.22284	-.21987	-.21527	-.17336	.41679	-.53173
2.000	-5.618	-.18071	-.18905	-.17759	-.26208	-.21653	-.22568	-.22293	-.17814	.41047	-.38765
2.000	-3.506	-.18417	-.19032	-.18198	-.26148	-.21285	-.21916	-.21517	-.18220	.40637	-.26171
2.000	-1.412	-.18598	-.19120	-.18472	-.26486	-.21683	-.20663	-.20143	-.18370	.40284	-.14143
2.000	.690	-.18861	-.19135	-.18736	-.26836	-.22190	-.20209	-.19753	-.18571	.39960	-.02112
2.000	2.762	-.19384	-.19750	-.18979	-.27175	-.22650	-.19363	-.18939	-.19060	.39558	.08903
2.000	4.871	-.18665	-.18691	-.18601	-.26831	-.22770	-.19233	-.18779	-.18468	.38867	.20611
	GRADIENT	-.00061	.00033	-.00063	-.00098	-.00188	.00318	.00319	-.00057	-.00204	.05572

ORIGINAL PAGE IS
 OF POOR QUALITY

DATE 29 OCT 76

TABULATED SOURCE DATA - 1A94A.

PAGE 10

LARC UPWT 1152(1A94A) OTSAT130

(RJK010) (18 JUN 76)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT
 LREF = 1290.3000 INCHES YMRP = .0000 IN. YT
 BREF = 1290.3000 INCHES ZMRP = 400.0000 IN. ZT
 SCALE = .0100

PARAMETRIC DATA

BETA = 4.000 ELV-LI = .000
 ELV-LO = .000 ELV-RI = .000
 ELV-RO = .000

RUN NO. 16/ 0 RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	CPB1	CPB2	CPB3	CPB4.5	CPB6	CPB7	CPB8	CPCO	CAU	CNU
1.550	-8.449	-.26167	-.27353	-.24629	-.31058	-.26489	-.29464	-.29661	-.24724	.46675	-.61015
1.550	-6.308	-.26298	-.27301	-.24792	-.32727	-.28214	-.28946	-.28805	-.24641	.46497	-.44577
1.550	-4.149	-.26139	-.26773	-.24909	-.32722	-.28209	-.28384	-.27936	-.24543	.46114	-.29176
1.550	-2.079	-.26055	-.26259	-.25072	-.31930	-.27052	-.27126	-.26619	-.24491	.45755	-.15195
1.550	.028	-.25926	-.25793	-.25312	-.31033	-.26249	-.26409	-.26058	-.24791	.45533	-.01966
1.550	2.127	-.25342	-.25055	-.25066	-.31586	-.26004	-.25914	-.25441	-.24669	.45194	.10495
1.550	4.228	-.24927	-.24549	-.24466	-.32306	-.25958	-.25250	-.24839	-.24470	.44804	.22757
	GRADIENT	.00150	.00270	.00043	.00056	.00265	.00357	.00352	-.00002	-.00152	.06181

PUN NO. 21/ 0 RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	CPB1	CPB2	CPB3	CPB4.5	CPB6	CPB7	CPB8	CPCO	CAU	CNU
2.000	-7.717	-.19593	-.20641	-.18256	-.25338	-.21684	-.22599	-.23258	-.18525	.41859	-.52586
2.000	-5.614	-.19405	-.20144	-.18254	-.24530	-.20723	-.22411	-.23039	-.18462	.41202	-.38557
2.000	-3.506	-.19375	-.19494	-.18535	-.23848	-.19641	-.21788	-.22261	-.18711	.40708	-.25507
2.000	-1.395	-.19589	-.19521	-.18935	-.24000	-.19235	-.21192	-.21480	-.19140	.40384	-.13287
2.000	.683	-.20026	-.19803	-.19465	-.24841	-.19733	-.20008	-.19801	-.19575	.40111	-.01582
2.000	2.790	-.20399	-.20051	-.19993	-.25555	-.19919	-.19010	-.18680	-.19977	.39580	.09905
2.000	4.875	-.20649	-.20394	-.20275	-.25556	-.19766	-.18669	-.18496	-.20443	.39092	.21220
	GRADIENT	-.00160	-.00111	-.00217	-.00237	-.00045	.00402	.00493	-.00205	-.00193	.05569

DATE 29 OCT 76

TABULATED SOURCE DATA - 1A94A.

PAGE 11

LARC UPWT 1152(1A94A) OTSAT130

(RJK011) (18 JUN 76)

REFERENCE DATA

SREF = 2690.0000 SQ.FT XMRP = 976 0000 IN. XT
 LREF = 1290.3000 INCHES YMRP = 0000 IN. YT
 BREF = 1290.3000 INCHES ZMRP = 400.0000 IN. ZT
 SCALE = .0100

PARAMETRIC DATA

BETA = 6 000 ELV-LI = .000
 ELV-LO = 000 ELV-RI = .000
 ELV-RO = .000

RUN NO. 17/ 0 RN/L = 2 00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	CPB1	CPB2	CPB3	CPB4,5	CPB6	CPB7	CPB8	CPC0	CAU	CNU
1.550	-8.454	-.27842	-.28412	-.26367	-.29164	-.25124	-.29693	-.29859	-.26515	.46326	-.61202
1.550	-6.351	-.27959	-.28437	-.26238	-.30728	-.26252	-.29193	-.29237	-.26142	.46540	-.45117
1.550	-4.221	-.27990	-.28130	-.26361	-.31435	-.26743	-.28452	-.28435	-.26111	.46273	-.30212
1.550	-2.103	-.27406	-.27393	-.26145	-.30328	-.25578	-.27555	-.27818	-.25866	.45880	-.16015
1.550	.016	-.26889	-.26631	-.25967	-.29349	-.23286	-.26974	-.27269	-.25597	.45546	-.02149
1.550	2.119	-.26495	-.26053	-.25635	-.29908	-.24518	-.26640	-.26627	-.25358	.45323	.10559
1.550	4.216	-.26061	-.25559	-.25324	-.30735	-.24760	-.25865	-.25638	-.25294	.44794	.22621
	GRADIENT	.00226	.00307	.00122	.00087	.00239	.00289	.00322	.00102	-.00167	.06269

RUN NO 22/ 0 RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	CPB1	CPB2	CPB3	CPB4,5	CPB6	CPB7	CPB8	CPC0	CAU	CNU
2.000	-7.699	-.20716	-.21266	-.19659	-.23356	-.19338	-.22198	-.22764	-.19923	.41707	-.52812
2.000	-5.649	-.20810	-.21175	-.19753	-.22581	-.19339	-.22230	-.22828	-.19986	.41229	-.39343
2.000	-3.520	-.20624	-.20803	-.19722	-.22736	-.19154	-.21638	-.22143	-.19924	.40565	-.25692
2.000	-1.400	-.20469	-.20462	-.19598	-.23170	-.18257	-.20702	-.21178	-.19800	.40149	-.12874
2.000	.693	-.20902	-.20740	-.20031	-.23635	-.18441	-.20109	-.20679	-.20355	.39864	-.01272
2.000	2.774	-.21240	-.21046	-.20680	-.24533	-.19056	-.19263	-.19400	-.20908	.39460	.10025
2.000	4.875	-.21182	-.20864	-.20652	-.24659	-.18874	-.19267	-.18283	-.20912	.39030	.21713
	GRADIENT	-.00090	-.00034	-.00140	-.00248	-.00011	.00295	.00453	-.00147	-.00179	.05615

DATE 29 OCT 76

TABULATED SOURCE DATA - 1A94A.

PAGE 12

LARC UPWT 1152(1A94A) OTSAT130

(RJK012) (18 JUN 76)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT
 LREF = 1290.3000 INCHES YMRP = .0000 IN. YT
 BREF = 1290.3000 INCHES ZMRP = 400.0000 IN. ZT
 SCALE = .0100

PARAMETRIC DATA

BETA = -6 000 ELV-LI = .000
 ELV-LO = -5 000 ELV-RI = .000
 ELV-RO = -5 000

RUN NO. 24/ 0 RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	CPB1	CPB2	CPB3	CPB4.5	CPB6	CPB7	CPB8	CPCO	CAU	CNU
2.000	-7.746	-.20299	-.21873	-.19707	-.26665	-.24211	-.23248	-.24340	-.19752	.41793	-.55295
2.000	-5.612	-.20385	-.22021	-.19886	-.27438	-.24918	-.22775	-.23681	-.19869	.41442	-.40522
2.000	-3.525	-.20663	-.22392	-.20132	-.27778	-.24669	-.22055	-.22839	-.20083	.40991	-.27407
2.000	-1.428	-.20906	-.22852	-.20375	-.28335	-.24510	-.21050	-.21899	-.20294	.40724	-.15167
2.000	.689	-.21280	-.23318	-.20749	-.28584	-.24697	-.20364	-.21277	-.20635	.40546	-.02704
2.000	2.770	-.21244	-.23408	-.20838	-.28489	-.24724	-.19516	-.20400	-.20785	.40116	.08748
2.000	4.859	-.21306	-.22973	-.20745	-.27929	-.24879	-.18985	-.18842	-.20878	.39533	.19998
	GRADIENT	-.00078	-.00082	-.00081	-.00022	-.00030	.00366	.00453	-.00099	-.00168	.05663

LARC UPWT 1152(1A94A) OTSAT130

(RJK013) (18 JUN 76)

REFERENCE DATA

SREF = 2690.0000 SQ FT. XMRP = 976.0000 IN. XT
 LREF = 1290.3000 INCHES YMRP = .0000 IN. YT
 BREF = 1290.3000 INCHES ZMRP = 400.0000 IN. ZT
 SCALE = .0100

PARAMETRIC DATA

BETA = -4.000 ELV-LI = .000
 ELV-LO = -5.000 ELV-RI = .000
 ELV-RO = -5.000

RUN NO. 25/ 0 RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	CPB1	CPB2	CPB3	CPB4.5	CPB6	CPB7	CPB8	CPCO	CAU	CNU
2.000	-7.724	-.19093	-.21664	-.18656	-.27708	-.24534	-.23166	-.23699	-.18643	.41816	-.54992
2.000	-5.636	-.19201	-.21770	-.18764	-.27871	-.24420	-.22865	-.23367	-.18752	.41313	-.40808
2.000	-3.516	-.19511	-.21755	-.19044	-.27979	-.24040	-.22329	-.22769	-.19031	.40839	-.27377
2.000	-1.425	-.19804	-.21901	-.19337	-.28233	-.23895	-.21375	-.21847	-.19322	.40531	-.15242
2.000	.668	-.20364	-.22274	-.19959	-.28513	-.24267	-.19883	-.20421	-.20003	.40266	-.03113
2.000	2.771	-.20655	-.22134	-.20157	-.28411	-.24377	-.19552	-.20060	-.20262	.39945	.08568
2.000	4.857	-.20626	-.21269	-.20189	-.27589	-.24572	-.18958	-.19095	-.20232	.39544	.19797
	GRADIENT	-.00147	.00036	-.00149	.00029	-.00074	.00409	.00436	-.00160	-.00152	.05642

DATE 29 OCT 76

TABULATED SOURCE DATA - 1A94A.

PAGE 13

LARC UPWT 1152(1A94A) OTSAT130

(RJK014) (18 JUN 76)

REFERENCE DATA

SREF = 2690.0000 SQ FT XMRP = 976 0000 IN. XT
 LREF = 1290.3000 INCHES YMRP = .0000 IN. YT
 BREF = 1290.3000 INCHES ZMRP = 400.0000 IN. ZT
 SCALE = .0100

PARAMETRIC DATA

BETA = .000 ELV-LI = .000
 ELV-LO = -5.000 ELV-RI = .000
 ELV-RO = -5.000

RUN NO. 23/ 0 RN/L = 1.99 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	CPB1	CPB2	CPB3	CPB4,5	CPB6	CPB7	CPB8	CPC0	CAU	CNU
2 000	-7 731	- 17891	- 19093	- 17301	- 26440	- 23057	-.22844	-.22661	-.17263	.41414	- 54022
2.000	-5.639	-.18179	- 19073	-.17836	-.26274	- 21661	- 22641	- 22334	-.17766	.40833	-.40167
2.000	-3 526	- 18567	-.19214	-.18316	-.26186	- 21406	-.21918	- 21456	-.18212	.40396	-.27111
2 000	-1.414	- 18722	- 19307	-.18565	- 26528	- 21809	-.20950	-.20428	-.18367	.40150	-.15062
2 000	.680	-.19030	- 19365	- 18872	-.27024	- 22333	-.20103	-.19520	- 18611	.39939	- 03400
2.000	2.768	-.19572	- 20001	- 19072	-.27139	- 22815	-.19586	-.19097	- 19089	.39548	08305
2 000	4 871	- 18971	- 19120	-.18813	- 26947	- 22993	- 19388	- 18931	-.18614	.38936	19586
	GRADIENT	- 00079	-.00024	-.00072	- 00102	- 00199	.00306	.00304	- 00073	-.00168	05566

LARC UPWT 1152(1A94A) OTSAT130

(RJK015) (18 JUN 76)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN XT
 LREF = 1290 3000 INCHES YMRP = .0000 IN. YT
 BREF = 1290 3000 INCHES ZMRP = 400 0000 IN ZT
 SCALE = .0100

PARAMETRIC DATA

BETA = 4.000 ELV-LI = .000
 ELV-LO = -5 000 ELV-RI = .000
 ELV-RO = -5 000

RUN NO. 26/ 0 RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	CPB1	CPB2	CPB3	CPB4,5	CPB6	CPB7	CPB8	CPC0	CAU	CNU
2 000	-7 742	- 19698	- 20682	-.19300	-.25622	- 22062	-.22765	-.23421	- 18506	.41918	-.54317
2.000	-5 642	- 19479	-.20340	- 18268	- 24846	-.21165	- 22577	-.23203	- 18412	.41371	- 40251
2.000	-3 480	- 19452	- 19755	- 18489	-.24166	-.20210	- 22175	- 22739	- 18663	.40882	- 27013
2.000	-1 400	- 19671	-.19565	-.18987	-.24106	-.19440	-.21305	-.21560	- 19097	.40544	- 15023
2.000	.694	-.20132	- 19936	-.19540	- 24785	- 19868	-.20459	-.20312	- 19617	.40302	-.02865
2.000	2.805	-.20481	-.20132	- 20014	- 25472	- 20216	- 19502	- 19202	-.19934	.39841	.08775
2.000	4 872	-.20848	-.20592	-.20412	-.25624	- 20180	-.18874	- 18637	- 20485	.39307	.20094
	GRADIENT	- 00172	- 00102	- 00233	-.00205	- 00034	00402	00505	-.00214	- 00184	05644

DATE 29 OCT 76

TABULATED SOURCE DATA - 1A94A.

PAGE 14

LARC UPWT 1152(1A94A) OTSAT130

(RJK016) (18 JUN 76)

REFERENCE DATA

PARAMETRIC DATA

SREF = 2690.0000 SQ.FT. XMRP = 976 0000 IN. XT
 LREF = 1290.3000 INCHES YMRP = 0000 IN. YT
 BREF = 1290.3000 INCHES ZMRP = 400.0000 IN. ZT
 SCALE = .0100

BETA = 6.000 ELV-LI = .000
 ELV-LO = -5.000 ELV-RI = .000
 ELV-RO = -5.000

RUN NO. 27/ 0 RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5 00

MACH	ALPHA	CPB1	CPB2	CPB3	CPB4.5	CPB6	CPB7	CPB8	CPCO	CAU	CNU
2.000	-7.755	-.20723	-.21365	-.19698	-.23267	-.19808	-.22829	-.23454	-.19928	.41876	-.54836
2.000	-5.611	-.20879	-.21304	-.19792	-.23020	-.19779	-.22706	-.23393	-.19960	.41381	-.40471
2.000	-3.490	-.20791	-.21030	-.19828	-.22838	-.19506	-.22118	-.22682	-.19965	.40770	-.27004
2.000	-1.406	-.20632	-.20624	-.19700	-.23145	-.18884	-.21211	.21716	-.19807	.40372	-.14502
2.000	.677	-.21040	-.20876	-.20139	-.23830	-.18889	-.20188	-.20726	-.20337	.40161	-.03018
2.000	2.776	-.21410	-.21215	-.20787	-.24603	-.19473	-.19532	-.19915	-.20982	.39718	.08726
2 000	4.876	-.21353	-.21065	-.20793	-.24794	-.19325	-.19475	-.18834	-.20926	.39299	.20226
	GRADIENT	-.00091	-.00032	-.00144	-.00257	-.00011	.00333	.00454	-.00148	-.00172	.05627

LARC UPWT 1152(1A94A) OTSAT130

(RJK017) (18 JUN 76)

REFERENCE DATA

PARAMETRIC DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT
 LREF = 1290.3000 INCHES YMRP = 0000 IN. YT
 BREF = 1290.3000 INCHES ZMRP = 400.0000 IN. ZT
 SCALE = .0100

BETA = -6 000 ELV-LI = 10.000
 ELV-LO = -5 000 ELV-RI = 10.000
 ELV-RO = -5.000

RUN NO. 29/ 0 RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	CPB1	CPB2	CPB3	CPB4.5	CPB6	CPB7	CPB8	CPCO	CAU	CNU
1.550	-8.460	-.27063	-.29019	-.26532	-.37820	-.31558	-.30435	-.31185	-.26654	.47001	-.59938
1.550	-6.335	-.26782	-.28401	-.26351	-.39606	-.32845	-.29255	-.28926	-.26344	.47125	-.43181
1 550	-4.192	-.26715	-.28210	-.26376	-.39047	-.32779	-.28538	-.28025	-.26308	.46815	-.27780
1 550	-2.091	-.26932	-.28333	-.26809	-.39283	-.32222	-.27516	-.27839	-.26524	.46652	-.13525
1.550	.022	-.27136	-.28319	-.27228	-.40193	-.32198	-.26576	-.27333	-.26851	.46489	.00145
1.550	2.129	-.26318	-.28299	-.26503	-.40200	-.32361	-.25971	-.26297	-.26190	.46380	.12566
1 550	4.223	-.25725	-.26358	-.25818	-.39826	-.31925	-.25746	-.25364	-.25263	.45772	.24937
	GRADIENT	.00123	.00177	.00067	-.00118	.00074	.00339	.00326	.00115	-.00112	.06248

DATE 29 OCT 76

TABULATED SOURCE DATA - 1A94A.

PAGE 15

LARC UPWT 1152(1A94A) OTSAT130

(RJK017) (18 JUN 76)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT
 LREF = 1290.3000 INCHES YMRP = 0000 IN. YT
 BREF = 1290.3000 INCHES ZMRP = 400.0000 IN. ZT
 SCALE = .0100

PARAMETRIC DATA

BETA = -6.000 ELV-L1 = 10.000
 ELV-LO = -5.000 ELV-R1 = 10.000
 ELV-RO = -5.000

RUN NO. 34/ 0 RN/L = 2 00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	CPB1	CPB2	CPB3	CPB4.5	CPB6	CPB7	CPB8	CPCO	CAU	CNU
2.000	-7.748	-20673	-21815	-19986	-.28176	-24997	-.22037	-.23103	-.20092	.42153	-.53851
2.000	-5.631	-.20804	-21790	-20024	-.29020	-25591	-.21324	-.22142	-.19851	.41680	-.39583
2.000	-3.526	-.21181	-22442	-.20496	-.29004	-24934	-.20609	-.21209	-.20321	.41260	-.26385
2.000	-1.431	-.21677	-23000	-21023	-.28880	-.24594	-.19736	-.20431	-.20939	.40867	-.13851
2.000	.676	-.22085	-23531	-21586	-.28789	-.24504	-.18618	-.19315	-.21530	.40623	-.01848
2.000	2.779	-.21895	-23589	-21458	-.28601	-.24687	-.17522	-.18315	-.21495	.40276	.09938
2.000	4.864	-.21802	-.23745	-21490	-.28229	-.24873	-.17211	-.17040	-.21589	.39646	.21074
	GRADIENT	-.00070	-.00152	-.00115	.00087	.00001	.00429	.00498	-.00147	-.00182	.05666

LARC UPWT 1152(1A94A) OTSAT130

(RJK018) (18 JUN 76)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT
 LREF = 1290.3000 INCHES YMRP = 0000 IN. YT
 BREF = 1290.3000 INCHES ZMRP = 400.0000 IN. ZT
 SCALE = .0100

PARAMETRIC DATA

BETA = -4.000 ELV-L1 = 10.000
 ELV-LO = -5.000 ELV-R1 = 10.000
 ELV-RO = -5.000

RUN NO. 30/ 0 RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	CPB1	CPB2	CPB3	CPB4.5	CPB6	CPB7	CPB8	CPCO	CAU	CNU
1.550	-8.462	-.26382	-.28332	-25861	-.39127	-.33250	-.29183	-.29687	-.25918	.47195	-.59293
1.550	-6.332	-.26527	-.28140	-.26220	-.38384	-.32172	-.28897	-.29125	-.26153	.47080	-.42749
1.550	-4.220	-.26613	-.28134	-.26429	-.37489	-.31494	-.28151	-.28072	-.26270	.46790	-.28245
1.550	-2.089	-.26521	-.28288	-.26368	-.37705	-.31371	-.27009	-.26871	-.26117	.46418	-.13889
1.550	.019	-.26198	-.27964	-.26168	-.38758	-.31506	-.25974	-.26239	-.25979	.46205	-.00098
1.550	2.128	-.26670	-.26793	-.25793	-.39031	-.31440	-.25721	-.25586	-.25361	.46035	.12665
1.550	4.235	-.25430	-.25941	-.25554	-.38789	-.31200	-.25388	-.24638	-.25153	.45591	.24919
	GRADIENT	.00152	.00278	.00110	-.00186	.00025	.00323	.00386	.00141	-.00132	.06290

DATE 29 OCT 76

TABULATED SOURCE DATA - 1A94A.

PAGE 16

LARC UPWT 1152(1A94A) OTSAT130

(RJK018) (18 JUN 76)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN XT
 LREF = 1290.3000 INCHES YMRP = .0000 IN YT
 BREF = 1290.3000 INCHES ZMRP = 400.0000 IN. ZT
 SCALE = 0100

PARAMETRIC DATA

BETA = -4.000 ELV-LI = 10.000
 ELV-LO = -5.000 ELV-RI = 10.000
 ELV-RO = -5.000

RUN NO. 35/ 0 RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5 00

MACH	ALPHA	CPB1	CPB2	CPB3	CPB4.5	CPB6	CPB7	CPB8	CPC0	CAU	CNU
2.000	-7.732	-.20088	-.21538	-.19403	-.28909	-.25580	-.21852	-.22386	-.19604	.42115	-.53841
2 000	-5 653	-.20001	-.22008	-.19378	-.28973	-.24687	-.21296	-.21769	-.19517	.41600	-.39487
2.000	-3 521	-.20097	-.22537	-.19660	-.28881	-.24286	-.20674	-.21118	-.19767	.41128	-.26209
2 000	-1 413	-.20591	-.22845	-.20154	-.28756	-.23975	-.19580	-.20057	-.20259	.40741	-.13698
2 000	.686	-.21181	-.23186	-.20744	-.28694	-.23975	-.18270	-.18781	-.20877	.40448	-.01745
2.000	2.786	-.21494	-.23530	-.21120	-.28509	-.24287	-.17557	-.17976	-.21251	.40079	.09878
2 000	4 872	-.21560	-.23006	-.21154	-.27922	-.24506	-.17156	-.17234	-.21193	.39670	.20970
	GRADIENT	-.00183	-.00077	-.00189	.00103	-.00036	.00432	.00469	-.00183	-.00170	.05620

LARC UPWT 1152(1A94A) OTSAT130

(RJK019) (18 JUN 76)

REFERENCE DATA

SREF = 2690.0000 SQ FT. XMRP = 976.0000 IN. XT
 LREF = 1290 3000 INCHES YMRP = .0000 IN YT
 BREF = 1290.3000 INCHES ZMRP = 400.0000 IN. ZT
 SCALE = .0100

PARAMETRIC DATA

BETA = .000 ELV-LI = 10 000
 ELV-LO = -5.000 ELV-RI = 10 000
 ELV-RO = -5.000

RUN NO 28/ 0 RN/L = 2 00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	CPB1	CPB2	CPB3	CPB4.5	CPB6	CPB7	CPB8	CPC0	CAU	CNU
1.550	-8.415	-.25437	-.26808	-.24977	-.35895	-.30542	-.29591	-.29454	-.25006	.47237	-.57182
1 550	-6.310	-.25856	-.26827	-.25487	-.35825	-.30439	-.28938	-.28734	-.25423	.46835	-.41681
1 550	-4 194	-.26309	-.26738	-.25694	-.35050	-.29573	-.27477	-.27306	-.25598	.46428	-.27313
1 550	-2.082	-.26518	-.26628	-.25749	-.34891	-.29384	-.26481	-.26221	-.25684	.46292	-.13026
1.550	.028	-.26078	-.25913	-.25525	-.34731	-.29069	-.25668	-.25347	-.25491	.46094	.00365
1.550	2.123	-.25595	-.25522	-.25226	-.34984	-.28985	-.24965	-.24369	-.25163	.45769	.12520
1.550	4 227	-.24745	-.24581	-.24684	-.35648	-.29061	-.24761	-.23516	-.24347	.45228	.24378
	GRADIENT	.00192	.00262	.00121	-.00061	.00068	.00330	.00448	.00144	-.00139	.06126

DATE 29 OCT 76

TABULATED SOURCE DATA - 1A94A.

PAGE 17

LARC UPWT 1152(1A94A) OTSAT130

(RJK019) (18 JUN 76)

REFERENCE DATA

PARAMETRIC DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT
 LREF = 1290.3000 INCHES YMRP = .0000 IN. YT
 BREF = 1290.3000 INCHES ZMRP = 400.0000 IN. ZT
 SCALE = .0100

BETA = .000 ELV-LI = 10.000
 ELV-LO = -5.000 ELV-RI = 10.000
 ELV-RO = -5.000

RUN NO. 33/ 0 RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	CPB1	CPB2	CPB3	CPB4.5	CPB6	CPB7	CPB8	CPCO	CAU	CNU
2.000	-7 716	- 18731	- .20086	- .17985	- 27097	- .23597	- .21106	- 21020	- 18068	.42182	- .52662
2.000	-5 616	- 19006	- 19712	- 18508	- 27064	- 22822	- .20854	- 20644	- 18527	.41472	- .38937
2 000	-3 519	- .19363	- 19853	- .18926	- .26791	- .21826	- .20031	- 19667	- .18881	.41027	- .26190
2 000	-1 415	- 19635	- .20032	- 19229	- .27036	- 21913	- 18962	- .18444	- .19090	.40721	- .14230
2 000	689	- 20176	- 20509	- 19677	- 27570	- .22171	- .17976	- 17430	- 19529	.40481	- .02010
2.000	2 770	- 20737	- 21411	- 19989	- 27696	- 22699	- .17323	- .16903	- .20064	.40022	.09273
2 000	4.867	- .20332	- 20634	- .19771	- 27416	- .22760	- 17135	- 16683	- .19785	.39399	.20728
	GRADIENT	- 00145	- 00140	- .00117	- .00091	- .00127	00355	00358	- 00133	- .00189	.05599

LARC UPWT 1152(1A94A) OTSAT130

(RJK020) (18 JUN 76)

REFERENCE DATA

PARAMETRIC DATA

SREF = 2690.0000 SQ FT XMRP = 976 0000 IN. XT
 LREF = 1290.3000 INCHES YMRP = 0000 IN YT
 BREF = 1290.3000 INCHES ZMRP = 400 0000 IN ZT
 SCALE = .0100

BETA = 4 000 ELV-LI = 10 000
 ELV-LO = -5.000 ELV-RI = 10 000
 ELV-RO = -5.000

RUN NO. 31/ 0 RN/L = 2.01 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	CPB1	CPB2	CPB3	CPB4.5	CPB6	CPB7	CPB8	CPCO	CAU	CNU
1.550	-8 452	- 26254	- 27007	- .25672	- .32539	- 28406	- .29265	- .29460	- 25608	.47320	- .59206
1.550	-6 337	- .26569	- 27138	- .26141	- .33772	- .29697	- .28749	- .28608	- 26135	.47169	- .43195
1 550	-4 196	- .26530	- 26732	- .26316	- .33275	- .29109	- .27632	- 27247	- 26249	.46706	- 28116
1.550	-2.078	- 26588	- .26514	- .26436	- 32291	- 27823	- .26243	- .25830	- .26307	.46271	- 13742
1 550	028	- .26778	- .26367	- 26656	- 31591	- 26790	- .25325	- 25007	- .26496	.45966	- 00337
1.550	2 132	- 26502	- 25969	- 26472	- .32081	- 26637	- .24739	- 24361	- 26221	.45627	.12170
1.550	4.230	- 26098	- .25474	- .25976	- .32720	- .26509	- 23994	- .23494	- 25635	.45157	.24120
	GRADIENT	00045	00148	.00030	.00063	.00303	00417	00426	00062	- .00178	.06191

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DATE 29 OCT 76

TABULATED SOURCE DATA - 1A94A.

PAGE 18

LARC UPWT 1152(1A94A) OTSAT130

(RJK020) (18 JUN 76)

REFERENCE DATA

PARAMETRIC DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT
 LREF = 1290.3000 INCHES YMRP = .0000 IN. YT
 BREF = 1290.3000 INCHES ZMRP = 400.0000 IN. ZT
 SCALE = .0100

BETA = 4.000 ELV-L1 = 10.000
 ELV-LO = -5.000 ELV-R1 = 10.000
 ELV-RO = -5.000

RUN NO 36/ 0 RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	CPB1	CPB2	CPB3	CPB4.5	CPB6	CPB7	CPB8	CPCO	CAU	CNU
2.000	-7.744	-20224	-.21549	-19384	-.26245	-22124	-.21208	-21805	-.19616	42107	-.53006
2.000	-5.619	-.20224	-.21394	-.19446	-.25438	-21351	-.20958	-.21525	-.19678	41593	-.38655
2.000	-3.505	-.20316	-.20990	-.19724	-.24569	-20144	-.20240	-.20560	-.19986	41162	-.25519
2.000	-1.420	-.20628	-.21053	-.20222	-.24880	-19589	-.19274	-.19441	-.20419	40782	-.13417
2.000	.681	-21091	-.21361	-.20685	-.25313	-.19895	-.18368	-18391	-.20942	40471	-.01627
2.000	2.770	-21371	-.21610	-.21121	-.25748	-20144	-.17371	-17324	-.21314	39966	.10120
2.000	4.870	-21282	-.21335	-.21125	-.25782	-.19901	-.17003	-16677	-.21288	39442	.21841
	GRADIENT	-00128	-.00060	-.00177	-.00157	-00003	.00400	00472	-.00167	-.00203	.05647

LARC UPWT 1152(1A94A) OTSAT130

(RJK021) (18 JUN 76)

REFERENCE DATA

PARAMETRIC DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT
 LREF = 1290.3000 INCHES YMRP = .0000 IN. YT
 BREF = 1290.3000 INCHES ZMRP = 400.0000 IN. ZT
 SCALE = .0100

BETA = 6.000 ELV-L1 = 10.000
 ELV-LO = -5.000 ELV-R1 = 10.000
 ELV-RO = -5.000

RUN NO 32/ 0 RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	CPB1	CPB2	CPB3	CPB4.5	CPB6	CPB7	CPB8	CPCO	CAU	CNU
1.550	-8.442	-.27575	-.27959	-.26901	-.30426	-26240	-29483	-29740	-.26801	46833	-.59038
1.550	-6.319	-.27725	-.28048	-27113	-.31650	-27123	-28710	-28723	-.27134	46943	-.43091
1.550	-4.201	-.27773	-.28033	-.27282	-.31515	-26803	-.27772	-.27787	-27303	46577	-.28151
1.550	-2.085	-27681	-.27728	-.27405	-.30779	-.25947	-.26693	-.26864	-.27333	46218	-.14154
1.550	.022	-27466	-.27238	-.27282	-.30134	-.24327	-.25830	-.26034	-.27181	45874	.00130
1.550	2.123	-.27092	-.26650	-27001	-.30620	-.25391	-.25424	-.25351	-26717	45612	.12530
1.550	4.231	-.26967	-.26218	-.26783	-31262	-.25296	-24712	-24395	-26622	45101	.24654
	GRADIENT	.00104	00221	.00066	.00032	.00170	.00351	.00394	.00094	-.00169	.06278

DATE 29 OCT 76

TABULATED SOURCE DATA - 1A94A.

PAGE 19

LARC UPWT 1152(1A94A) OTSAT130

(RJK021) (18 JUN 76)

REFERENCE DATA

SREF = 2690.0000 SQ FT. XMRP = 976.0000 IN. XT
 LREF = 1290.3000 INCHES YMRP = .0000 IN. YT
 BREF = 1290.3000 INCHES ZMRP = 400.0000 IN. ZT
 SCALE = .0100

PARAMETRIC DATA

BETA = 6.000 ELV-LI = 10.000
 ELV-LO = -5.000 ELV-RI = 10.000
 ELV-RO = -5.000

RUN NO. 37/ 0 RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	CPB1	CPB2	CPB3	CPB4.5	CPB6	CPB7	CPB8	CPC0	CAU	CNU
2.000	-7.729	-20907	-.22664	-20253	-.24414	-20269	-21582	-.22365	-.19863	.41945	-.52624
2.000	-5.639	-21093	-.22540	-.20284	-.23639	-.19867	-20896	-.21557	-.19709	.41407	-.39184
2.000	-3.518	-21154	-.22539	-20438	-.23389	-19247	-.20115	-20591	-.20109	.40906	-.25631
2.000	-1.409	-.21151	-21576	-.20714	-23449	-18068	-.19176	-.19716	-.20816	.40478	-.12911
2.000	.679	-.21499	-.21644	-.21186	-.23889	-.18478	-.18373	-.18946	-.21348	.40143	-.01320
2.000	2.773	-.21870	-22108	-21588	-24384	-.19002	-17405	-.17825	-.21872	.39705	.10618
2.000	4.871	-21562	-21552	-.21404	-.24634	-.18850	-17439	-.16646	-.21658	.39296	.21854
	GRADIENT	-.00073	.00069	-.00134	-.00163	-.00006	.00340	.00467	-.00198	-.00191	.05654

LARC UPWT 1152(1A94A) OTSAT130

(RJK022) (18 JUN 76)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. YMRP = 976.0000 IN. XT
 LREF = 1290.3000 INCHES YMRP = .0000 IN. YT
 BREF = 1290.3000 INCHES ZMRP = 400.0000 IN. ZT
 SCALE = .0100

PARAMETRIC DATA

BETA = -6.000 ELV-LI = 10.000
 ELV-LO = 2.000 ELV-RI = 10.000
 ELV-RO = 2.000

RUN NO 39/ 0 RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	CPB1	CPB2	CPB3	CPB4.5	CPB6	CPB7	CPB8	CPC0	CAU	CNU
1.550	-8.462	-27171	-.29092	-26710	-37810	-.31565	-.30377	-.31127	-.26766	.46994	-.58727
1.550	-6.337	-.26832	-28540	-26402	-.39317	-32668	-29388	-.29247	-.26398	.47139	-.42348
1.550	-4.207	-.26799	-28322	-26461	-.39377	-32881	-28582	-.28072	-.26365	.46876	-.27124
1.550	-2.061	-.26977	-28439	-.26855	-39558	-32447	-27402	-.27666	-26573	.46668	-.12714
1.550	.037	-.27125	-.28434	-.27218	-40231	-32197	-.26377	-.27136	-26843	.46546	.00678
1.550	2.136	-26233	-.28249	-26388	-40262	-32227	-25820	-.26118	-26108	.46409	.13211
1.550	4.223	-25806	-.26655	-.25960	-.40017	-32107	-.25483	-.25196	-25468	.45977	.25220
	GRADIENT	.00129	.00167	.00069	-.00094	.00084	.00370	.00346	.00107	-.00098	.06204

DATE 29 OCT 76

TABULATED SOURCE DATA - 1A94A.

PAGE 20

LARC UPWT 1152(1A94A) OTSAT130

(RJK022) (18 JUN 76)

REFERENCE DATA

SREF = 2690.0000 SQ.FT XMRP = 976 0000 IN. XT
 LREF = 1290.3000 INCHES YMRP = .0000 IN. YT
 BREF = 1290.3000 INCHES ZMRP = 400 0000 IN. ZT
 SCALE = .0100

PARAMETRIC DATA

BETA = -6.000 ELV-LI = 10.000
 ELV-LO = 2.000 ELV-RI = 10.000
 ELV-RO = 2.000

RUN NO 44/ 0 RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	CPB1	CPB2	CPB3	CPB4.5	CPB6	CPB7	CPB8	CPCO	CAU	CNU
2.000	-7.717	-.20637	-.21654	-.19889	-.28253	-.24988	-.21839	-.22812	-.19967	.42253	-.50822
2.000	-5.601	-.20758	-.21806	-.20010	-.28624	-.25295	-.21336	-.22217	-.19809	.41820	-.36934
2.000	-3.513	-.21223	-.22426	-.20537	-.28841	-.25046	-.20554	-.21250	-.20365	.41352	-.23891
2.000	-1.417	-.21687	-.22951	-.21001	-.28747	-.24673	-.19615	-.20312	-.20982	.40914	-.11515
2.000	.694	-.22072	-.23520	-.21572	-.28721	-.24651	-.18348	-.19142	-.21520	.40715	.00497
2.000	2.785	-.21797	-.23463	-.21298	-.28531	-.24903	-.17419	-.18151	-.21339	.40345	.11924
2.000	4.886	-.21678	-.23560	-.21304	-.28199	-.24969	-.17238	-.17131	-.21376	.39748	.23344
	GRADIENT	-.00049	-.00132	-.00087	.00067	-.00004	.00420	.00495	-.00113	-.00180	.05615

LARC UPWT 1152(1A94A) OTSAT130

(RJK023) (18 JUN 76)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT
 LREF = 1290.3000 INCHES YMRP = .0000 IN. YT
 BREF = 1290.3000 INCHES ZMRP = 400 0000 IN. ZT
 SCALE = .0100

PARAMETRIC DATA

BETA = -4.000 ELV-LI = 10.000
 ELV-LO = 2.000 ELV-RI = 10.000
 ELV-RO = 2.000

RUN NO. 40/ 0 RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	CPB1	CPB2	CPB3	CPB4.5	CPB6	CPB7	CPB8	CPCO	CAU	CNU
1.550	-8.442	-.26406	-.28331	-.25884	-.38993	-.33046	-.29055	-.29500	-.25974	.47239	-.57947
1.550	-6.350	-.26616	-.28233	-.26308	-.38559	-.32335	-.28895	-.29186	-.26213	.47109	-.42233
1.550	-4.193	-.26652	-.28331	-.26437	-.37824	-.31666	-.28199	-.28235	-.26280	.46830	-.27139
1.550	-2.106	-.26526	-.28420	-.26342	-.38037	-.31510	-.26919	-.26782	-.26155	.46525	-.13120
1.550	.023	-.26182	-.27923	-.26090	-.39049	-.31505	-.25861	-.26097	-.25934	.46319	.00699
1.550	2.136	-.25572	-.26791	-.25665	-.39330	-.31264	-.25496	-.25301	-.25297	.46182	.13112
1.550	4.216	-.25351	-.25863	-.25505	-.39234	-.31167	-.25181	-.24585	-.25076	.45793	.25040
	GRADIENT	.00169	.00312	.00121	-.00196	.00059	.00353	.00417	.00155	-.00115	.06201

DATE 29 OCT 76

TABULATED SOURCE DATA - 1A94A.

PAGE 21

LARC UPWT 1152(1A94A) OTSAT130

(RJ023) (18 JUN 76)

REFERENCE DATA

PARAMETRIC DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT
 LREF = 1290.3000 INCHES YMRP = .0000 IN. YT
 BREF = 1290.3000 INCHES ZMRP = 400.0000 IN. ZT
 SCALE = 0100

BETA = -4.000 ELV-LI = 10.000
 ELV-LO = 2.000 ELV-RI = 10.000
 ELV-RO = 2.000

RUN NO. 45/ 0 RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	CPB1	CPB2	CPB3	CPB4.5	CPB6	CPB7	CPB8	CPCO	CAU	CNU
2.000	-7.718	-.20033	-.21670	-.19410	-.28696	-.24876	-.21356	-.21706	-.19552	.42223	-.50974
2.000	-5.610	-.20003	-.22043	-.19412	-.28789	-.24815	-.21326	-.21832	-.19553	.41651	-.36886
2.000	-3.495	-.20094	-.22475	-.19688	-.28788	-.24566	-.20855	-.21332	-.19829	.41184	-.23507
2.000	-1.397	-.20625	-.22818	-.20189	-.28759	-.24228	-.19487	-.19997	-.20296	.40786	-.11360
2.000	.699	-.21274	-.23188	-.20837	-.28695	-.24164	-.18079	-.18561	-.20942	.40517	.00207
2.000	2.779	-.21456	-.23494	-.21112	-.28507	-.24470	-.17419	-.17934	-.21185	.40158	.11733
2.000	4.878	-.21520	-.22907	-.21052	-.28042	-.24564	-.17172	-.17345	-.21125	.39764	.23233
	GRADIENT	-.00176	-.00074	-.00175	.00083	-.00011	.00451	.00480	-.00166	-.00166	.05572

LARC UPWT 1152(1A94A) OTSAT130

(RJ024) (18 JUN 76)

REFERENCE DATA

PARAMETRIC DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT
 LREF = 1290.3000 INCHES YMRP = .0000 IN. YT
 BREF = 1290.3000 INCHES ZMRP = 400.0000 IN. ZT
 SCALE = 0100

BETA = .000 ELV-LI = 10.000
 ELV-LO = 2.000 ELV-RI = 10.000
 ELV-RO = 2.000

RUN NO. 38/ 0 RN/L = 1.99 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	CPB1	CPB2	CPB3	CPB4.5	CPB6	CPB7	CPB8	CPCO	CAU	CNU
1.550	-8.440	-.25630	-.26909	-.25077	-.35932	-.30459	-.29571	-.29398	-.25140	.47341	-.57208
1.550	-6.317	-.25984	-.26860	-.25557	-.35959	-.30423	-.28892	-.28691	-.25496	.46979	-.41689
1.550	-4.191	-.26363	-.26910	-.25723	-.35187	-.29574	-.27395	-.27228	-.25632	.46507	-.26419
1.550	-2.074	-.26533	-.26613	-.25773	-.35062	-.29372	-.26553	-.26358	-.25682	.46407	-.12408
1.550	.014	-.26208	-.26014	-.25598	-.35123	-.29024	-.25612	-.25297	-.25629	.45917	.00504
1.550	2.119	-.25629	-.25558	-.25231	-.35308	-.28832	-.24874	-.24281	-.25201	.45566	.13020
1.550	4.224	-.24508	-.24406	-.24385	-.35879	-.28883	-.24490	-.23208	-.24111	.45326	.25073
	GRADIENT	.00219	.00279	.00153	-.00078	.00091	.00356	.00481	.00168	-.00152	.06108

DATE 29 OCT 76

TABULATED SOURCE DATA - 1A94A.

PAGE 22

LARC UPWT 1152(1A94A) OTSAT130

(RJK024) (18 JUN 76)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT
 LREF = 1290.3000 INCHES YMRP = 0000 IN. YT
 BREF = 1290.3000 INCHES ZMRP = 400.0000 IN. ZT
 SCALE = .0100

PARAMETRIC DATA

BETA = .000 ELV-LI = 10.000
 ELV-LO = 2.000 ELV-RI = 10.000
 ELV-RO = 2.000

RUN NO. 43/ 0 RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	CPB1	CPB2	CPB3	CPB4.5	CPB6	CPB7	CPB8	CPC0	CAU	CNU
2.000	-7.719	-18586	-19635	-17964	-26839	-23059	-21054	-20907	-18050	.42048	-.49239
2.000	-5.604	-19003	-19620	-18471	-26797	-22502	-20796	-20586	-18493	.41491	-.36102
2.000	-3.507	-19309	-19739	-18841	-26749	-21779	-20007	-19643	-18768	.41050	-.23596
2.000	-1.380	-19575	-19942	-19138	-26913	-21793	-19148	-18694	-19034	.40798	-.11535
2.000	.693	-20127	-20431	-19567	-27330	-22124	-18051	-17537	-19553	.40624	.00025
2.000	2.781	-20576	-21126	-19860	-27586	-22569	-17256	-16838	-19938	.40006	.11405
2.000	4.892	-20045	-20348	-19609	-27429	-22597	-17190	-16710	-19502	.39295	.23098
	GRADIENT	-.00118	-.00114	-.00108	-.00097	-.00115	.00359	.00368	-.00113	-.00205	.05550

LARC UPWT 1152(1A94A) OTSAT130

(RJK025) (18 JUN 76)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT
 LREF = 1290.3000 INCHES YMRP = 0000 IN. YT
 BREF = 1290.3000 INCHES ZMRP = 400.0000 IN. ZT
 SCALE = .0100

PARAMETRIC DATA

BETA = 4.000 ELV-LI = 10.000
 ELV-LO = 2.000 ELV-RI = 10.000
 ELV-RO = 2.000

RUN NO. 41/ 0 RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	CPB1	CPB2	CPB3	CPB4.5	CPB6	CPB7	CPB8	CPC0	CAU	CNU
1.550	-8.428	-.26385	-.27173	-.25832	-.32513	-.28426	-.29253	-.29482	-.25708	.47371	-.57851
1.550	-6.322	-.26663	-.27266	-.26263	-.33622	-.29592	-.28758	-.28679	-.26198	.47284	-.42046
1.550	-4.161	-.26576	-.26933	-.26361	-.33473	-.29321	-.27866	-.27635	-.26296	.46830	-.26982
1.550	-2.074	-.26601	-.26558	-.26478	-.32359	-.27874	-.26344	-.25962	-.26290	.46424	-.12723
1.550	.032	-.26752	-.26371	-.26629	-.31587	-.26582	-.25289	-.25002	-.26471	.46143	.00534
1.550	2.134	-.26388	-.25885	-.26389	-.32208	-.26404	-.24553	-.24175	-.26170	.45797	.13216
1.550	4.246	-.25899	-.25335	-.25869	-.32765	-.26560	-.23844	-.23375	-.25499	.45384	.25297
	GRADIENT	.00075	.00181	.00051	.00074	.00332	.00468	.00490	.00082	-.00167	.06207

DATE 29 OCT 76

TABULATED SOURCE DATA - 1A94A.

PAGE 23

LARC UPWT 1152(1A94A) OTSAT130

(RJK025) (18 JUN 76)

REFERENCE DATA

PARAMETRIC DATA

SREF = 2690 0000 SQ.FT XMRP = 976 0000 IN. XT
 LREF = 1290.3000 INCHES YMRP = .0000 IN. YT
 BREF = 1290.3000 INCHES ZMRP = 400.0000 IN. ZT
 SCALE = .0100

BETA = 4.000 ELV-LI = 10.000
 ELV-LO = 2.000 ELV-RI = 10.000
 ELV-RO = 2.000

RUN NO. 46/ 0 RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5 00

MACH	ALPHA	CPB1	CPB2	CPB3	CPB4.5	CPB6	CPB7	CPB8	CPCO	CAU	CNU
2.000	-7 716	-.20214	-.21602	-.19342	-.25681	-.21560	-.21163	-.21794	-.19546	.42252	-.49764
2.000	-5.599	-.20214	-.21292	-.19466	-.25090	-.21065	-.20945	-.21514	-.19701	.41708	-.36001
2.000	-3.490	-.20338	-.20982	-.19746	-.24656	-.20292	-.20352	-.20673	-.20010	.41226	-.24213
2 000	-1.409	-.20680	-.21076	-.20244	-.24843	-.19643	-.19323	-.19523	-.20475	.40875	-.11568
2.000	.706	-.21051	-.21322	-.20676	-.25431	-.19950	-.18135	-.18150	-.20936	.40550	.00616
2.000	2.784	-.21204	-.21351	-.20984	-.25771	-.19979	-.17227	-.17151	-.21151	.39997	.12290
2 000	4.873	-.21206	-.21229	-.21049	-.25773	-.19764	-.17043	-.16811	-.21215	.39527	.23611
	GRADIENT	-.00108	-.00037	-.00160	-.00151	.00034	.00417	.00483	-.00148	-.00204	.05617

LARC UPWT 1152(1A94A) OTSAT130

(RJK026) (18 JUN 76)

REFERENCE DATA

PARAMETRIC DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN XT
 LREF = 1290.3000 INCHES YMRP = .0000 IN YT
 BREF = 1290.3000 INCHES ZMRP = 400.0000 IN ZT
 SCALE = .0100

BETA = 6 000 ELV-LI = 10.000
 ELV-LO = 2 000 ELV-RI = 10.000
 ELV-RO = 2.000

RUN NO. 42/ 0 RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	CPB1	CPB2	CPB3	CPB4.5	CPB6	CPB7	CPB8	CPCO	CAU	CNU
1.550	-8 434	-.27684	-.28071	-.26977	-.30301	-.26100	-.29475	-.29672	-.26848	.46884	-.57595
1 550	-6 320	-.27805	-.28099	-.27189	-.31530	-.27017	-.28699	-.28743	-.27151	.47046	-.42047
1 550	-4.173	-.27813	-.28216	-.27321	-.31507	-.26842	-.27872	-.27918	-.27344	.46724	-.27285
1.550	-2.069	-.27652	-.27738	-.27383	-.30830	-.25983	-.26634	-.26838	-.27313	.46369	-.12589
1.550	.037	-.27447	-.27219	-.27263	-.30248	-.24360	-.25802	-.26008	-.27163	.46067	.00813
1.550	2.126	-.27041	-.26659	-.26949	-.30704	-.25274	-.25301	-.25261	-.26636	.45829	.13182
1 550	4.232	-.26898	-.26210	-.26714	-.31361	-.25409	-.24633	-.24317	-.26556	.45333	.25152
	GRADIENT	.00117	.00226	.00078	.00020	.00170	.00372	.00418	.00107	-.00158	.06220

DATE 29 OCT 76

TABULATED SOURCE DATA - 1A94A.

PAGE 24

LARC UPWT 1152(1A94A) OTSAT130

(RJK026) (18 JUN 76)

REFERENCE DATA

SREF = 2690.0000 SQ.FT XMRP = 976 0000 IN. XT
 LREF = 1290.3000 INCHES YMRP = 0000 IN. YT
 BREF = 1290.3000 INCHES ZMRP = 400.0000 IN. ZT
 SCALE = .0100

PARAMETRIC DATA

BETA = 6.000 ELV-LI = 10.000
 ELV-LO = 2.000 ELV-RI = 10.000
 ELV-RO = 2.000

RUN NO. 47/ 0 RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5 00

MACH	ALPHA	CPB1	CPB2	CPB3	CPB4.5	CPB6	CPB7	CPB8	CPCO	CAU	CNU
2 000	-7 704	-.20896	-.22563	-.20179	-.24003	-.19795	-.21443	-.22105	-.19699	.42017	-.50200
2 000	-5.639	-.21081	-.22469	-.20240	-.23505	-.19608	-.21005	-.21668	-.19760	.41478	-.36728
2 000	-3.490	-.21174	-.22407	-.20427	-.23287	-.19082	-.20225	-.0702	-.20193	.40931	-.23239
2 000	-1.401	-.21172	-.21598	-.20735	-.23316	-.18120	-.19317	-.19859	-.20840	.40501	-.11156
2 000	.691	-.21485	-.21631	-.21141	-.23815	-.18339	-.18383	-.18958	-.21337	.40223	.01094
2 000	2.799	-.21763	-.21878	-.21481	-.24343	-.18771	-.17508	-.17774	-.21769	.39769	.12309
2.000	4 894	-.21545	-.21412	-.21387	-.24528	-.18615	-.17413	-.16620	-.21613	.39338	.24026
	GRADIENT	-.00064	.00081	-.00127	-.00167	.00013	.00354	.00489	-.00180	-.00187	.05627

LARC UPWT 1152(1A94A) OTSAT130

(RJK027) (18 JUN 76)

REFERENCE DATA

SREF = 2690 0000 SQ.FT. XMRP = 976.0000 IN. XT
 LREF = 1290.3000 INCHES YMRP = 0000 IN. YT
 BREF = 1290.3000 INCHES ZMRP = 400.0000 IN. ZT
 SCALE = .0100

PARAMETRIC DATA

BETA = -6 000 ELV-LI = 10 000
 ELV-LO = -10 000 ELV-RI = 10.000
 ELV-RO = -10.000

RUN NO. 49/ 0 RN/L = 2.00 GRADIENT INTERVAL = -5 00/ 5 00

MACH	ALPHA	CPB1	CPB2	CPB3	CPB4.5	CPB6	CPB7	CPB8	CPCO	CAU	CNU
1.550	-8 449	-.27055	-.28979	-.26655	-.37863	-.31670	-.30544	-.31295	-.26680	.47084	-.60053
1.550	-6 335	-.26831	-.28510	-.26431	-.39520	-.32891	-.29391	-.29156	-.26396	.47182	-.43870
1.550	-4.227	-.26761	-.28736	-.26454	-.39227	-.32940	-.28670	-.28191	-.26389	.46931	-.29263
1.550	-2 090	-.26972	-.28372	-.26850	-.39028	-.32226	-.27706	-.27969	-.26599	.46667	-.14361
1 550	.029	-.27232	-.28448	-.27387	-.39867	-.32269	-.26825	-.27582	-.27011	.46542	-.00726
1.550	2.126	-.26470	-.28514	-.26686	-.40147	-.32488	-.26182	-.26540	-.26405	.46395	.12081
1 550	4.227	-.25920	-.26707	-.26074	-.39626	-.32184	-.25938	-.25588	-.25612	.45907	.24060
	GRADIENT	.00103	.00142	.00043	-.00091	.00059	.00331	.00314	.00082	-.00110	.06301

DATE 29 OCT 76

TABULATED SOURCE DATA - 1A94A.

PAGE 25

LARC UPWT 1152(1A94A) OTSAT130

(RJK027) (18 JUN 76)

REFERENCE DATA

PARAMETRIC DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT
 LREF = 1290 3000 INCHES YMRP = 0000 IN. YT
 BREF = 1290 3000 INCHES ZMRP = 400.0000 IN. ZT
 SCALE = 0100

BETA = -6.000 ELV-L1 = 10.000
 ELV-LO = -10.000 ELV-R1 = 10.000
 ELV-RO = -10.000

RUN NO. 54/ 0 RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	CPB1	CPB2	CPB3	CPB4,5	CPB6	CPB7	CPB8	CPCO	CAU	CNU
2.000	-7.738	-.20892	-.22000	-.20207	-.28561	-.25144	-.22250	-.23283	-.20315	.42609	-.53341
2.000	-5.645	-.21007	-.21989	-.20261	-.28974	-.25468	-.21771	-.22680	-.20090	.42126	-.39528
2.000	-3.516	-.21414	-.22488	-.20699	-.29162	-.25317	-.21090	-.21907	-.20588	.41531	-.25751
2.000	-1.422	-.21849	-.23139	-.21227	-.29070	-.24823	-.19971	-.20727	-.21206	.41119	-.13589
2.000	.681	-.22342	-.23663	-.21844	-.28976	-.24667	-.18879	-.19855	-.21945	.40926	-.01569
2.000	2.727	-.22126	-.23757	-.21690	-.28852	-.24884	-.17915	-.18800	-.21699	.40552	.09958
2.000	4.860	-.22061	-.23974	-.21748	-.28306	-.25259	-.17526	-.17199	-.21849	.39835	.21151
	GRADIENT	-.00075	-.00172	-.00123	.00092	.00003	.00439	.00543	-.00144	-.00190	.05614

LARC UPWT 1152(1A94A) OTSAT130

(RJK028) (18 JUN 76)

REFERENCE DATA

PARAMETRIC DATA

SREF = 2690.0000 SQ.FT. YMRP = 976.0000 IN. XT
 LREF = 1290 3000 INCHES YMRP = 0000 IN. YT
 BREF = 1290.3000 INCHES ZMRP = 400.0000 IN. ZT
 SCALE = .0100

BETA = -4.000 ELV-L1 = 10.000
 ELV-LO = -10.000 ELV-R1 = 10.000
 ELV-RO = -10.000

RUN NO. 50/ 0 RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	CPB1	CPB2	CPB3	CPB4,5	CPB6	CPB7	CPB8	CPCO	CAU	CNU
1.550	-8.464	-.26357	-.28127	-.25866	-.39151	-.33299	-.29282	-.29788	-.25925	.47385	-.60286
1.550	-6.335	-.26502	-.28118	-.26226	-.38468	-.32341	-.28996	-.29287	-.26131	.47248	-.44064
1.550	-4.208	-.26561	-.28208	-.26407	-.37451	-.31542	-.28221	-.28174	-.26250	.46888	-.28852
1.550	-2.096	-.26558	-.28297	-.26405	-.37480	-.31478	-.27167	-.27030	-.26186	.46505	-.14485
1.550	.028	-.26275	-.28015	-.26276	-.38646	-.31718	-.26110	-.26376	-.26088	.46309	-.00875
1.550	2.118	-.25783	-.27062	-.25937	-.38953	-.31718	-.25893	-.25759	-.25567	.46101	.11736
1.550	4.238	-.25509	-.26021	-.25632	-.38647	-.31445	-.25525	-.24929	-.25233	.45742	.23913
	GRADIENT	.00136	.00266	.00096	-.00183	-.00002	.00316	.00368	.00126	-.00128	.06243

DATE 29 OCT 76

TABULATED SOURCE DATA - 1A94A.

PAGE 26

LARC UPWT 1152(1A94A) OTSAT130

(RJK029) (18 JUN 76)

REFERENCE DATA

PARAMETRIC DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT
 LREF = 1290.3000 INCHES YMRP = .0000 IN. YT
 BREF = 1290.3000 INCHES ZMRP = 400.0000 IN. ZT
 SCALE = .0100

BETA = -4.000 ELV-LI = 10.000
 ELV-LO = -10.000 ELV-RI = 10.000
 ELV-RO = -10.000

RUN NO. 55/ 0 RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	CPB1	CPB2	CPB3	CPB4.5	CPB6	CPB7	CPB8	CPCO	CAU	CNU
2.000	-7.729	-.20255	-.21862	-.19663	-.28988	-.25102	-.21393	-.21713	-.19834	.42532	-.53280
2.000	-5.640	-.20229	-.22176	-.19637	-.29177	-.25074	-.21585	-.22059	-.19777	.41962	-.39591
2.000	-3.496	-.20287	-.22639	-.19850	-.29144	-.24669	-.21051	-.21527	-.19990	.41422	-.25530
2.000	-1.415	-.20878	-.23042	-.20472	-.29020	-.24174	-.1965	-.20094	-.20516	.40969	-.13374
2.000	.701	-.21469	-.23353	-.21063	-.28896	-.24144	-.18492	-.19036	-.21167	.40612	-.01509
2.000	2.791	-.21686	-.23662	-.21342	-.28709	-.24452	-.17804	-.18318	-.21413	.40225	.09948
2.000	4.860	-.21782	-.23231	-.21376	-.28338	-.24765	-.17433	-.17637	-.21448	.39889	.21227
	GRADIENT	-.00182	-.00086	-.00188	.00092	-.00022	.00433	.00457	-.00182	-.00182	.05586

LARC UPWT 1152(1A94A) OTSAT130

(RJK029) (18 JUN 76)

REFERENCE DATA

PARAMETRIC DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT
 LREF = 1290.3000 INCHES YMRP = .0000 IN. YT
 BREF = 1290.3000 INCHES ZMRP = 400.0000 IN. ZT
 SCALE = .0100

BETA = .000 ELV-LI = 10.000
 ELV-LO = -10.000 ELV-RI = 10.000
 ELV-RO = -10.000

RUN NO. 48/ 0 RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	CPB1	CPB2	CPB3	CPB4.5	CPB6	CPB7	CPB8	CPCO	CAU	CNU
1.550	-8.441	-.25480	-.26821	-.25020	-.35840	-.30584	-.29635	-.29370	-.25083	.47310	-.58645
1.550	-6.330	-.25861	-.26865	-.25523	-.35875	-.30576	-.29068	-.28834	-.25430	.46924	-.43531
1.550	-4.192	-.26342	-.26732	-.25726	-.35312	-.29890	-.27819	-.27711	-.25633	.46509	-.28321
1.550	-2.084	-.26569	-.26711	-.25832	-.34966	-.29649	-.26653	-.26424	-.25769	.46366	-.14163
1.550	.011	-.26173	-.26070	-.25652	-.34737	-.29309	-.25853	-.25535	-.25651	.46142	-.00687
1.550	2.138	-.25654	-.25644	-.25318	-.34924	-.29251	-.25085	-.24492	-.25257	.45798	.11514
1.550	4.240	-.24838	-.24706	-.24808	-.35586	-.29327	-.24943	-.25734	-.24474	.45194	.23620
	GRADIENT	.00186	.00248	.00111	-.00024	.00072	.00347	.00469	.00134	-.00152	.06144

DATE 29 OCT 76

TABULATED SOURCE DATA - 1A94A.

PAGE 27

LARC UPWT 1152(1A94A) QTSAT130

(RJK029) (18 JUN 76)

REFERENCE DATA

SREF = 2690.0000 SQ FT. XMRP = 976.0000 IN XT
 LREF = 1290.3000 INCHES YMRP = 0000 IN YT
 BREF = 1290.3000 INCHES ZMRP = 400.0000 IN. ZT
 SCALE = .0100

PARAMETRIC DATA

BETA = 000 ELV-LI = 10.000
 ELV-LO = -10.000 ELV-RI = 10.000
 ELV-RO = -10.000

RUN NO. 53/ 0 RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	CPB1	CPB2	CPB3	CPB4.5	CPB6	CPB7	CPB8	CPCO	CAU	CNU
2.000	-7.734	-18881	-19988	-18292	-.27539	-.23308	-20907	-20575	-.18315	.42489	-.52672
2.000	-5.631	-.19208	-.19882	-18711	-.27439	-23051	-21050	-20842	-.18763	.41779	-.38785
2.000	-3.506	-19533	-19992	-19096	-27105	-22149	-.20291	-.19928	-.19054	.41238	-.25551
2.000	-1.397	-.19819	-20185	-.19413	-27216	-22128	-.19425	-18970	-19307	.40905	-.13543
2.000	.686	-.20315	-20650	-19816	-.27620	-.22375	-18393	-.17847	-.19801	.40666	-.01802
2.000	2.790	-.20943	-21463	-20165	-27872	-22969	-17621	-.17201	-.20241	.40086	.09795
2.000	4.876	-.20502	-20774	-.20002	-27744	-.23087	-.17456	-17037	-19925	.39444	.21150
	GRADIENT	-00146	-00136	-00122	-00092	-.00130	00357	00360	-.00128	-00210	05572

LARC UPWT 1152(1A94A) QTSAT130

(RJK030) (18 JUN 76)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN XT
 LREF = 1290.3000 INCHES YMRP = 0000 IN. YT
 BREF = 1290.3000 INCHES ZMRP = 400.0000 IN. ZT
 SCALE = .0100

PARAMETRIC DATA

BETA = 4.000 ELV-LI = 10.000
 ELV-LO = -10.000 ELV-RI = 10.000
 ELV-RO = -10.000

RUN NO 51/ 0 RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	CPB1	CPB2	CPB3	CPB4.5	CPB6	CPB7	CPB8	CPCO	CAU	CNU
1.550	-8.445	-.26269	-.27057	-.25747	-.32548	-.28340	-29382	-.29579	-25653	.47478	-.59826
1.550	-6.315	-.26515	-.27118	-26147	-.33409	-.29321	-28980	-28931	-.26143	.47315	-.43674
1.550	-4.167	-.26543	-26938	-.26359	-.33438	-.29257	-27864	-27602	-.26263	.46851	-.28819
1.550	-2.092	-26602	-26590	-26510	-.32420	-27997	-26469	-.26086	-26352	.46430	-.14353
1.550	.033	-.26885	-.26534	-26793	-.31840	-.27082	-.25609	-25321	-.26664	.46146	-.01025
1.550	2.134	-.26638	-.26104	-26608	-.32117	-.26898	-25021	-24673	-.26419	.45785	.11437
1.550	4.214	-26205	-.25609	-.26144	-.32822	-.26680	-.24214	-23713	-25803	.45317	.23440
	GRADIENT	00030	00137	.00016	00073	00298	.00417	00438	.00040	-00177	.06209

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DATE 29 OCT 76

TABULATED SOURCE DATA - 1A94A.

PAGE 28

LARC UPWT 1152(1A94A) OTSAT130

(RJK030) (18 JUN 76)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976 0000 IN. XT
 LREF = 1290.3000 INCHES YMRP = .0000 IN. YT
 BREF = 1290 3000 INCHES ZMRP = 400.0000 IN. ZT
 SCALE = 0100

PARAMETRIC DATA

BETA = 4.000 ELV-LI = 10.000
 ELV-LO = -10.000 ELV-RI = 10.000
 ELV-RO = -10.000

RUN NO. 56/ 0 RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5 00

MACH	ALPHA	CPB1	CPB2	CPB3	CPB4.5	CPB6	CPB7	CPB8	CPC0	CAU	CNU
2.000	-7.713	-.20441	-.21768	-.19600	-.26191	-.22190	-.21423	-.22054	-.19802	.42535	-.52239
2.000	-5.608	-.20378	-.21395	-.19631	-.25352	-.21385	-.21111	-.21711	-.19864	.41978	-.38207
2.000	-3.516	-.20469	-.21083	-.19908	-.24822	-.20546	-.20547	-.20899	-.20171	.41468	-.25145
2.000	-1.421	-.20873	-.21269	-.20436	-.25102	-.20051	-.19610	-.19871	-.20666	.40988	-.13100
2.000	.685	-.21244	-.21546	-.20900	-.25628	-.20327	-.18545	-.18560	-.21159	.40674	-.01382
2.000	2.780	-.21523	-.21762	-.21334	-.26156	-.20574	-.17482	-.17436	-.21499	.40084	.10573
2.000	4.861	-.21526	-.21642	-.21337	-.26096	-.20360	-.17330	-.17129	-.21564	.39597	.21741
	GRADIENT	-.00132	-.00077	-.00179	-.00172	-.00007	.00409	.00476	-.00173	-.00222	.05605

LARC UPWT 1152(1A94A) OTSAT130

(RJK031) (18 JUN 76)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT
 LREF = 1290.3000 INCHES YMRP = 0000 IN. YT
 BREF = 1290.3000 INCHES ZMRP = 400 0000 IN. ZT
 SCALE = .0100

PARAMETRIC DATA

BETA = 6.000 ELV-LI = 10.000
 ELV-LO = -10.000 ELV-RI = 10.000
 ELV-RO = -10.000

RUN NO. 52/ 0 RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	CPB1	CPB2	CPB3	CPB4.5	CPB6	CPB7	CPB8	CPC0	CAU	CNU
1.550	-8.441	-.27522	-.27970	-.26876	-.30508	-.26368	-.29621	-.29849	-.26809	.47022	-.59976
1.550	-6.334	-.27738	-.28062	-.27123	-.31463	-.27135	-.29003	-.29139	-.27146	.47161	-.44438
1.550	-4.212	-.27744	-.27976	-.27252	-.31714	-.27048	-.27925	-.27972	-.27274	.46787	-.29219
1.550	-2.095	-.27716	-.27733	-.27439	-.31070	-.26285	-.26908	-.27080	-.27369	.46423	-.14622
1.550	.014	-.27632	-.27434	-.27448	-.30432	-.24760	-.26051	-.26286	-.27378	.46086	-.01125
1.550	2.121	-.27290	-.26909	-.27168	-.30706	-.25554	-.25646	-.25666	-.26915	.45856	.11599
1.550	4.222	-.27106	-.26387	-.26922	-.31352	-.25524	-.25058	-.24833	-.26762	.45324	.23857
	GRADIENT	.00081	.00190	.00044	.00052	.00179	.00332	.00365	.00070	-.00166	.06279

DATE 29 OCT 76

TABULATED SOURCE DATA - 1A94A.

PAGE 29

LARC UPWT 1152(1A94A) OTSAT130

(RJK031) (18 JUN 76)

REFERENCE DATA

PARAMETRIC DATA

SREF = 2690.0000 SQ.FT. XMRP = 976 0000 IN XT
 LREF = 1290.3000 INCHES YMRP = .0000 IN. YT
 BREF = 1290 3000 INCHES ZMRP = 400.0000 IN. ZT
 SCALE = .0100

BETA = 6.000 ELV-LI = 10.000
 ELV-LO = -10 000 ELV-RI = 10.000
 ELV-RO = -10.000

RUN NO. 57/ 0 RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	CPB1	CPB2	CPB3	CPB4,5	CPB6	CPB7	CPB8	CPC0	CAU	CNU
2.000	-7.718	-.21090	-.22789	-.20466	-.24417	-.20112	-.21233	- 21771	-.20077	.42319	-.52511
2.000	-5 647	-.21243	-.22725	- 20464	-.23887	- 20140	-.21168	- 21862	-.19951	.41782	-.38674
2.000	-3 520	-.21340	-.22697	- 20591	- 23672	- 19617	-.20422	- 20930	-.20326	.41213	- 25074
2.000	-1.396	- 21368	- 21857	-.20900	- 23701	- 18716	-.19639	- 20180	-.21066	.40656	- 12128
2 000	681	-.21684	-.21861	-.21339	- 24078	-.18783	-.18800	-.19406	-.21566	.40333	- 00711
2 000	2 790	- 22022	-.22261	- 21771	- 24666	- 19337	-.17766	-.18062	- 22058	.39852	10686
2 000	4.878	- 21865	-.21856	- 21676	- 25006	-.19304	-.17763	- 16813	- 21932	.39406	.22048
	GRADIENT	- 00081	.00061	- 00145	- 00173	00000	.00343	00493	-.00200	-.00211	.05579

LARC UPWT 1152(1A94A) OTSAT130

(RJK032) (18 JUN 76)

REFERENCE DATA

PARAMETRIC DATA

SREF = 2690 0000 SQ FT XMRP = 976.0000 IN XT
 LREF = 1290.3000 INCHES YMRP = .0000 IN YT
 BREF = 1290 3000 INCHES ZMRP = 400 0000 IN. ZT
 SCALE = .0100

BETA = -6 000 ELV-LI = 12.000
 ELV-LO = -10.000 ELV-RI = 12.000
 ELV-RO = -10 000

RUN NO. 59/ 0 RN/L = 2 00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	CPB1	CPB2	CPB3	CPB4,5	CPB6	CPB7	CPB8	CPC0	CAU	CNU
1 550	-8 449	- 27155	-.29107	- 26787	-.37979	-.31794	-.30487	-.31236	-.26749	.47215	-.59890
1.550	-6 339	-.26959	- 28631	- 26561	-.39475	- 32902	-.29387	- 29246	-.26495	.47340	-.43544
1 550	-4 197	- 26865	-.28753	- 26590	-.39370	- 33017	-.28644	- 28197	-.26463	.47019	- 28885
1.550	-2.103	- 27118	- 28545	-.27058	- 39171	- 32296	-.27544	-.27867	-.26745	.46746	-.14520
1.550	.020	-.27439	- 28651	-.27562	-.39958	- 32281	- 26664	- 27420	- 27124	.46576	-.00922
1 550	2.128	- 26549	-.28624	- 26734	-.40137	-.32414	- 26046	- 26374	-.26421	.46493	12085,
1.550	4 219	- 26070	- 26919	- 26224	-.39635	- 32155	- 23843	- 25524	- 25699	.45950	.24166
	GRADIENT	.00102	00132	00050	- 00071	00076	.00337	00325	00088	-.00113	06301

DATE 29 OCT 76

TABULATED SOURCE DATA - 1A94A.

PAGE 30

LARC UPWT 1152(1A94A) OTSAT130

(RJK033) (18 JUN 76)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT
 LREF = 1290.3000 INCHES YMRP = 0000 IN. YT
 BREF = 1290.3000 INCHES ZMRP = 400.0000 IN. ZT
 SCALE = .0100

PARAMETRIC DATA

BETA = -4.000 ELV-L1 = 12.000
 ELV-L0 = -10.000 ELV-R1 = 12.000
 ELV-R0 = -10.000

RUN NO 50/ 0 RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	CPB1	CPB2	CPB3	CPB4.5	CPB6	CPB7	CPB8	CPCO	CAU	CNU
1.550	-8.456	-26530	-.28424	-26038	-.39092	-33294	-.29244	-.29719	-.26065	47508	-.60027
1.550	-6.330	-.26710	-.28326	-26465	-.38493	-.32364	-.28959	-.29188	-.26306	47324	-.43865
1.550	-4.190	-.26713	-.28421	-26560	-.37880	-.31876	-.28251	-.28327	-.26340	47018	-.28679
1.550	-2.093	-.26688	-.28518	-.26504	-.37576	-.31636	-.27206	-.27161	-.26284	46644	-.14408
1.550	0.42	-.26381	-.28181	-26381	-.38437	-.31697	-.26062	-.26267	-.26162	46425	-.00508
1.550	2.129	-.25880	-.27128	-26034	-.38893	-.31659	-.25775	-.25610	-.25571	46212	12005
1.550	4.240	-.25673	-.26123	-25889	-.38591	-.31421	-.25506	-.24787	-.25366	45792	.23979
	GRADIENT	.00137	.00284	.00086	-.00130	.00042	.00328	.00409	.00126	-.00137	.06249

LARC UPWT 1152(1A94A) OTSAT130

(RJK034) (18 JUN 76)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT
 LREF = 1290.3000 INCHES YMRP = 0000 IN. YT
 BREF = 1290.3000 INCHES ZMRP = 400.0000 IN. ZT
 SCALE = .0100

PARAMETRIC DATA

BETA = 0.000 ELV-L1 = 12.000
 ELV-L0 = -10.000 ELV-R1 = 12.000
 ELV-R0 = -10.000

RUN NO 58/ 0 RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	CPB1	CPB2	CPB3	CPB4.5	CPB6	CPB7	CPB8	CPCO	CAU	CNU
1.550	-8.424	-25701	-.27072	-25240	-.35974	-30745	-.29645	-.29440	-.25240	47401	-.58705
1.550	-6.320	-.26063	-.26972	-25695	-.35868	-.30581	-.28925	-.28722	-.25570	47000	-.42791
1.550	-4.200	-.26515	-.26934	-25870	-.35247	-.29869	-.27557	-.27419	-.25776	46547	-.27984
1.550	-2.090	-.26750	-.26860	-25981	-.35054	-.29705	-.26495	-.26236	-.25917	46403	-.13903
1.550	0.42	-.26314	-.26149	-25761	-.34720	-.29305	-.25656	-.25336	-.25728	46151	-.00127
1.550	2.126	-.25890	-.25848	-25521	-.34949	-.29253	-.24981	-.24416	-.25458	45816	.11648
1.550	4.219	-.24981	-.24848	-24890	-.35585	-.29332	-.24873	-.23566	-.24584	45242	.23793
	GRADIENT	.00186	.00252	.00115	-.00027	.00073	.00327	.00453	.00135	-.00152	.06133

DATE 29 OCT 76

TABULATED SOURCE DATA - 1A94A.

PAGE 31

LARC UPWT 1152(1A94A) OTSAT130

(RJK035) (18 JUN 76)

REFERENCE DATA

PARAMETRIC DATA

SREF = 2690.0000 SQ.FT. XMRP = 976 0000 IN. XT
 LREF = 1290.3000 INCHES YMRP = .0000 IN. YT
 BREF = 1290.3000 INCHES ZMRP = 400 0000 IN. ZT
 SCALE = .0100

BETA = 4.000 ELV-L1 = 12.000
 ELV-LO = -10.000 ELV-R1 = 12.000
 ELV-RO = -10.000

RUN NO. 61/ 0 RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	CPB1	CPB2	CPB3	CPB4.5	CPB6	CPB7	CPB8	CPC0	CAU	CNU
1.550	-8 451	-.26419	-.27144	-.25958	-.32605	-.28518	-.29224	-.29390	-.25862	.47615	-.59184
1.550	-6.326	-.26696	-.27298	-.26358	-.33467	-.29561	-.28822	-.28773	-.26322	.47488	-.43761
1.550	-4 166	-.26693	-.26957	-.26509	-.33403	-.29374	-.27768	-.27505	-.26411	.47010	-.28442
1.550	-2 077	-.26824	-.26843	-.26702	-.32579	-.28279	-.26601	-.26249	-.26542	.46551	-.14166
1.550	019	-.27093	-.26711	-.26970	-.31802	-.27135	-.25479	-.25191	-.26809	.46263	-.00554
1.550	2 122	-.26779	-.26275	-.26780	-.32136	-.26884	-.24854	-.24444	-.26558	.45874	.11715
1.550	4 228	-.26329	-.25703	-.26268	-.32669	-.26712	-.24186	-.23623	-.25926	.45444	.23707
	GRADIENT	.00037	.00147	.00019	.00091	.00320	.00424	.00456	.00046	-.00181	.06202

LARC UPWT 1152(1A94A) OTSAT130

(RJK036) (18 JUN 76)

REFERENCE DATA

PARAMETRIC DATA

SREF = 2690.0000 SQ.FT. XMRP = 976 0000 IN. XT
 LREF = 1290.3000 INCHES YMRP = .0000 IN. YT
 BREF = 1290.3000 INCHES ZMRP = 400.0000 IN. ZT
 SCALE = .0100

BETA = 6.000 ELV-L1 = 12.000
 ELV-LO = -10.000 ELV-R1 = 12.000
 ELV-RO = -10.000

RUN NO. 62/ 0 RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	CPB1	CPB2	CPB3	CPB4.5	CPB6	CPB7	CPB8	CPC0	CAU	CNU
1.550	-8 440	-.27639	-.28086	-.27085	-.30653	-.26484	-.29521	-.29687	-.26924	.47179	-.59644
1.550	-6.340	-.27820	-.28144	-.27267	-.31604	-.27186	-.28869	-.28975	-.27228	.47286	-.43941
1.550	-4 174	-.27857	-.28038	-.27427	-.31670	-.27008	-.27917	-.27932	-.27387	.46914	-.28824
1.550	-2 095	-.27918	-.27935	-.27642	-.30994	-.26150	-.26742	-.26914	-.27570	.46538	-.14790
1.550	013	-.27823	-.27625	-.27639	-.30407	-.24767	-.25905	-.26079	-.27537	.46245	-.01219
1.550	2.119	-.27457	-.27106	-.27334	-.30717	-.25659	-.25506	-.25465	-.27050	.45939	.11692
1.550	4.221	-.27261	-.26541	-.27046	-.31353	-.25463	-.24814	-.24497	-.26885	.45454	.23937
	GRADIENT	.00079	.00187	.00051	.00043	.00170	.00354	.00396	.00073	-.00168	.06284

LARC UPWT 1152(1A94A) OTSAT130

(RJK037) (18 JUN 76)

REFERENCE DATA

PARAMETRIC DATA

SREF = 2690.0000 SQ FT. XMRP = 976.0000 IN. XT
 LREF = 1290.3000 INCHES YMRP = .0000 IN. YT
 BREF = 1290 3000 INCHES ZMRP = 400 0000 IN. ZT
 SCALE = 0100

BETA = -6.000 ELV-LI = 12.000
 ELV-LO = -5 000 ELV-RI = 12.000
 ELV-RO = -5 000

RUN NO 64/ 0 RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	CPB1	CPB2	CPB3	CPB4,5	CPB6	CPB7	CPB8	CPC0	CAU	CNU
1.550	-8.456	- 27346	-.29303	- 27007	- 38106	-.31813	-.30531	-.31344	-.26909	.47197	-.59645
1.550	-6 341	-.27158	- 28839	- 26789	-.40108	-.33285	-.29289	-.28961	- 26691	.47301	- .43443
1.550	-4.221	-.27032	-.28590	-.26786	- 39489	-.33129	-.28573	- 28093	- 26627	.46967	-.28159
1.550	-2.091	- 27281	-.28777	-.27251	-.39645	-.32517	-.27492	-.27880	-.26875	.46706	-.13858
1.550	017	- 27494	-.28774	- 27649	-.40445	-.32392	-.26560	-.27351	-.27149	.46546	-.00310
1.550	2.109	- 26600	-.28774	-.26816	- 40445	-.32515	- 26033	-.26393	-.26442	.46411	.11933
1.550	4 228	- 26113	- 26933	- 26298	-.40079	-.32120	-.25760	-.25471	- 25681	.45856	.24666
	GRADIENT	.00119	.00157	.00067	- 00094	.00096	00336	00319	.00110	-.00119	06230

PUN NO 69/ 0 RN/L = 2 00 GRADIENT INTERVAL = -5 00/ 5.00

MACH	ALPHA	CPB1	CPB2	CPB3	CPB4,5	CPB6	CPB7	CPB8	CPC0	CAU	CNU
2 000	-7 762	- 21034	- 22174	- 20349	- 28799	- 25164	- 21644	- 22461	- 20333	.42408	-.54270
2 000	-5 646	-.21061	-.22046	- 20344	- 29045	- 25656	-.21546	- 22457	-.19988	.41943	-.40064
2.000	-3.536	- 21427	- 22598	-.20741	- 29198	- 25280	- 20728	- 21423	-.20414	.41385	-.26434
2.000	-1.413	- 21892	- 23187	- 21237	-.29042	- 24783	- 19634	- 20331	-.21032	.41007	-.13286
2.000	679	- 22450	- 23774	- 21950	-.29010	-.24751	-.18601	- 19519	- 21865	.40704	-.01320
2 000	2 588	- 22232	- 23899	-.21857	- 28854	- 24999	-.17539	- 18397	- 21741	.40425	.09155
2.000	4.860	- 22040	- 24049	- 21758	-.28292	- 25180	-.17251	- 16956	- 21736	.39716	.21314
	GRADIENT	- 00075	- 00174	- 00127	.00097	- 00001	.00434	00523	- 00161	-.00189	.05672

DATE 29 OCT 76

TABULATED SOURCE DATA - 1A94A.

PAGE 33

LARC UPWT 1152(1A94A) OTSAT130

(RJK038) (18 JUN 76)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT
 LREF = 1290.3000 INCHES YMRP = .0000 IN. YT
 BREF = 1290.3000 INCHES ZMRP = 400.0000 IN. ZT
 SCALE = .0100

PARAMETRIC DATA

BETA = -4.000 ELV-LI = 12.000
 ELV-LO = -5.000 ELV-R1 = 12.000
 ELV-RO = -5.000

RUN NO 65/ 0 RN/L = 2 00 GRADIENT INTERVAL = -5.00/ 5 00

MACH	ALPHA	CPB1	CPB2	CPB3	CPB4.5	CPB6	CPB7	CPB8	CPC0	CAU	CNU
1.550	-8.449	-.26687	-.28646	-.26256	-.39332	-.33463	-.29281	-.29819	-.26191	.47325	-.59134
1.550	-6.355	-.26878	-.28559	-.26662	-.38719	-.32515	-.28976	-.29268	-.26412	.47206	-.43574
1.550	-4.210	-.26914	-.28564	-.26791	-.37890	-.31844	-.28145	-.28130	-.26479	.46826	-.28147
1.550	-2.087	-.26723	-.28682	-.26570	-.37978	-.31746	-.27117	-.27073	-.26320	.46487	-.13977
1.550	.026	-.26452	-.28287	-.26452	-.38969	-.31721	-.25977	-.26244	-.26172	.46225	.00095
1.550	2.111	-.25928	-.27487	-.26083	-.39308	-.31567	-.25667	-.25471	-.25650	.46073	.12121
1.550	4.219	-.25681	-.26317	-.25898	-.38907	-.31291	-.25357	-.24637	-.25374	.45690	.24261
	GRADIENT	.00155	.00270	.00108	-.00160	.00061	.00334	.00408	.00137	-.00128	.06218

RUN NO 70/ 0 RN/L = 2 00 GRADIENT INTERVAL = -5.00/ 5 00

MACH	ALPHA	CPB1	CPB2	CPB3	CPB4.5	CPB6	CPB7	CPB8	CPC0	CAU	CNU
2.000	-7.733	-.20390	-.21843	-.19735	-.29099	-.25396	-.21591	-.22036	-.19814	.42396	-.53886
2.000	-5.631	-.20357	-.22272	-.19734	-.29329	-.25013	-.21400	-.21875	-.19751	.41816	-.38991
2.000	-3.517	-.20391	-.22802	-.19955	-.29144	-.24582	-.20717	-.21100	-.19940	.41250	-.25201
2.000	-1.405	-.20983	-.23052	-.20516	-.29052	-.24306	-.19472	-.19951	-.20468	.40757	-.12833
2.000	.674	-.21664	-.23483	-.21196	-.28927	-.24304	-.18253	-.18735	-.21145	.40412	-.01208
2.000	2.783	-.21824	-.23829	-.21450	-.28651	-.24618	-.17418	-.17933	-.21367	.40065	.10560
2.000	4.891	-.21852	-.23330	-.21415	-.28152	-.24801	-.17227	-.17338	-.21333	.39638	.21820
	GRADIENT	-.00179	-.00087	-.00183	.00114	-.00036	.00430	.00454	-.00175	-.00186	.05591

DATE 29 OCT 76

TABULATED SOURCE DATA - 1A94A.

PAGE 34

LARC UPWT 1152(1A94A) OTSAT130

(RJK039) (18 JUN 76)

REFERENCE DATA

PARAMETRIC DATA

SREF = 2690.0000 SQ.FT. XMRP = 976 0000 IN. XT
 LREF = 1290.3000 INCHES YMRP = 0000 IN. YT
 BREF = 1290.3000 INCHES ZMRP = 400.0000 IN. ZT
 SCALE = .0100

BETA = .000 ELV-L1 = 12.000
 ELV-L0 = -5.000 ELV-R1 = 12.000
 ELV-R0 = -5.000

RUN NO. 63/ 0 RN/L = 2 00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	CPB1	CPB2	CPB3	CPB4.5	CPB6	CPB7	CPB8	CPC0	CAU	CNU
1.550	-3.430	-.25862	- 27205	-.25462	-.36151	- 30822	-.29749	-.29575	-.25401	.47510	- 57723
1.550	-6.290	-.26214	- 27183	-.25908	-.36154	- 30725	-.29007	-.28836	- 25723	.47182	-.42121
1.550	-4.183	-.26718	- 27198	-.26104	-.35422	-.29982	- 27512	- 27344	-.25918	.46653	-.27572
1.550	-2.078	-.26877	- 27019	-.26170	-.35341	- 29835	-.26559	- 26362	- 26044	.46483	-.13447
1.550	.024	-.26403	- 26300	-.25912	-.34994	-.29272	-.25650	-.25362	-.25818	.46234	.00096
1.550	2.121	-.25966	- 25956	-.25598	- 35236	-.29175	-.24964	-.24492	-.25475	.45900	.12201
1.550	4.230	-.24975	- 24904	- 24914	-.35970	- 29292	-.24772	-.23467	- 24579	.45350	.24112
	GRADIENT	00209	00269	00140	-.00047	.00097	00336	.00458	.00154	-.00152	.06136

RUN NO. 68/ 0 RN/L = 2 00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	CPB1	CPB2	CPB3	CPB4.5	CPB6	CPB7	CPB8	CPC0	CAU	CNU
2.000	-7.742	-.19044	- 20528	-.18266	- 27369	- 23862	-.21142	- 21058	- 18259	.42463	- 53256
2.000	-5.646	- 19334	- 20012	-.18835	- 27296	- 22948	- 20843	-.20665	-.18701	.41783	-.39426
2.000	-3.494	-.19632	- 20185	- 19225	- 27071	- 22131	-.20080	-.19748	- 19058	.41177	- 26070
2.000	-1.421	-.19951	- 20381	-.19513	- 27277	-.22112	-.18898	-.18412	- 19283	.40844	- 14164
2.000	.679	-.20434	- 20801	- 19870	-.27736	- 22346	- 17971	-.17424	-.19762	.40579	- 01967
2.000	2.758	-.21035	- 21588	-.20223	-.27928	- 22914	- 17230	- 16872	-.20207	.40042	.09435
2.000	4.876	- 20627	- 20898	- 20036	- 27695	- 22990	-.17153	-.16705	-.19898	.39416	21218
	GRADIENT	- 00147	- 00126	- 00111	- 00091	- 00120	.00359	.00364	- 00124	-.00207	05649

DATE 29 OCT 76

TABULATED SOURCE DATA - 1A94A.

PAGE 35

LARC UPWT 1152(1A94A) OTSAT130

(RJK040) (18 JUN 76)

REFERENCE DATA

SREF = 2690.0000 SQ.FT XMRP = 976.0000 IN. XT
 LREF = 1290.3000 INCHES YMRP = .0000 IN. YT
 BREF = 1290 3000 INCHES ZMRP = 400.0000 IN. ZT
 SCALE = .0100

PARAMETRIC DATA

BETA = 4.000 ELV-LI = 12.000
 ELV-LO = -5.000 ELV-RI = 12.000
 ELV-RO = -5.000

RUN NO. 66/ 0 RN/L = 2 00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	CPB1	CPB2	CPB3	CPB4,5	CPB6	CPB7	CPB8	CPCO	CAU	CNU
1.550	-8.430	-.26552	-.27309	-.26121	-.32741	-.28745	-.29326	-.29555	-.25965	.47326	-.58821
1.550	-6.319	-.26808	-.27442	-.26532	-.33988	-.30016	-.28812	-.28702	-.26435	.47190	-.43144
1.550	-4.190	-.26803	-.27098	-.26680	-.33552	-.29458	-.27692	-.27368	-.26521	.46694	-.28269
1.550	-2.076	-.26929	-.26917	-.26806	-.32445	-.28017	-.26363	-.25950	-.26586	.46227	-.13755
1.550	.024	-.27114	-.26793	-.27052	-.31859	-.27034	-.25434	-.25147	-.26801	.45927	.00113
1.550	2.122	-.26830	-.26357	-.26852	-.32378	-.26875	-.24716	-.24306	-.26549	.45594	.12082
1.550	4.216	-.26337	-.25834	-.26338	-.32964	-.26752	-.24035	-.23503	-.25905	.45126	.23968
	GRADIENT	.00049	.00147	.00030	.00059	.00312	.00427	.00446	.00060	-.00179	.06203

RUN NO 71/ 0 RN/L = 2 00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	CPB1	CPB2	CPB3	CPB4,5	CPB6	CPB7	CPB8	CPCO	CAU	CNU
2.000	-7.748	-.20579	-.21966	-.19770	-.25949	-.21738	-.21186	-.21630	-.19849	.42333	-.52493
2.000	-5.611	-.20545	-.21685	-.19768	-.25171	-.21118	-.20934	-.21472	-.19877	.41777	-.37942
2.000	-3.496	-.20604	-.21279	-.19981	-.24672	-.20434	-.20400	-.20753	-.20121	.41213	-.24709
2.000	-1.401	-.20950	-.21407	-.20513	-.24955	-.19882	-.19407	-.19669	-.20620	.40782	-.12552
2.000	.683	-.21349	-.21713	-.21005	-.25696	-.20248	-.18217	-.18201	-.21110	.40375	-.00501
2.000	2.786	-.21633	-.21934	-.21413	-.26134	-.20376	-.17131	-.17024	-.21485	.39874	.11120
2.000	4.863	-.21539	-.21654	-.21381	-.26009	-.20097	-.17129	-.16898	-.21453	.39302	.22118
	GRADIENT	-.00122	-.00061	-.00177	-.00184	.00009	.00422	.00495	-.00169	-.00226	.05612

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DATE 29 OCT 76

TABULATED SOURCE DATA - 1A94A.

PAGE 36

LARC UPWT 1152(1A94A) OTSAT130

(RJK041) (18 JUN 75)

REFERENCE DATA

PARAMETRIC DATA

SREF = 2690.0000 SQ.FT XMRP = 976 0000 IN. XT
 LREF = 1290 3000 INCHES YMRP = .0000 IN. YT
 BREF = 1290 3000 INCHES ZMRP = 400 0000 IN. ZT
 SCALE = 0100

BETA = 6.000 ELV-LI = 12.000
 ELV-LO = -5.000 ELV-RI = 12.000
 ELV-RO = -5.000

RUN NO. 67/ 0 RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	CPB1	CPB2	CPB3	CPB4.5	CPB6	CPB7	CPB8	CPC0	CAU	CNU
1.550	-8.432	-27842	-.28352	-27318	-30709	-26501	-.29635	-.29832	-27127	.46777	-.58823
1.550	-6.323	-27968	-.28324	-.27475	-31883	-27364	-.28801	-28846	-.27375	.46933	-.43248
1.550	-4.181	-28066	-28298	-27635	-31703	-26970	-.27909	-.27894	-.27565	.46544	-.28283
1.550	-2.092	-27999	-28047	-.27753	-31050	-26196	-.26757	-.26961	-.27620	.46175	-.13823
1.550	.026	-.27822	-27624	-.27700	-30472	-.24731	-.25899	-26104	-.27506	.45853	-.00063
1.550	2.121	-27458	-27076	-.27366	-30847	-.25597	-.25471	-.25400	-.27021	.45585	.12254
1.550	4.211	-.27273	-.26584	-.27151	-.31494	-25566	-24821	-24473	-26929	.45077	24016
	GRADIENT	00101	00209	.00065	00030	.00163	.00355	.00400	.00089	-.00168	.06224

RUN NO 72/ 0 RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	CPB1	CPB2	CPB3	CPB4.5	CPB6	CPB7	CPB8	CPC0	CAU	CNU
2.000	-7.737	-.21168	-23020	-20515	-24459	-20316	-.21685	-22470	-20003	.42072	-.51936
2.000	-5.628	-.21322	-22864	-.20513	-23589	-19882	-20842	-.21411	-.19909	.41449	-.38197
2.000	-3.511	-.21418	-22835	-20702	-.23591	-19451	-.20189	-.20698	-20313	.40904	-.24807
2.000	-1.410	-.21418	-.21905	-20981	-.23653	-18338	-19316	-19827	-.20993	.40392	-.12219
2.000	.690	-21896	-21935	-21383	-23993	-18646	-18535	-19141	-.21456	.40004	-.00307
2.000	2.773	-.22099	-22431	-21849	-.24645	-19264	-17413	-17648	-22012	.39583	.18845
2.000	4.881	-.21788	-21903	-21630	-24830	-.19016	-.17505	-.16464	-.21763	.39140	.22797
	GRADIENT	-.00068	00064	-00130	-00165	-00003	.00347	.00508	-.00187	-.00207	05641

DATE 29 OCT 76

TABULATED SOURCE DATA - 1A94A.

PAGE 37

LARC UPWT 1152(1A94A) OTSAT130

(RJK042) (18 JUN 76)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT
 LREF = 1290.3000 INCHES YMRP = 0000 IN. YT
 BREF = 1290.3000 INCHES ZMRP = 400 0000 IN. ZT
 SCALE = .0100

PARAMETRIC DATA

BETA = -6.000 ELV-LI = 12.000
 ELV-LO = 2.000 ELV-RI = 12.000
 ELV-RO = 2.000

RUN NO. 74/ 0 RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	CPB1	CPB2	CPB3	CPB4.5	CPB5	CPB7	CPB8	CPCO	CAU	CNU
1.550	-8 441	-.27612	-.29570	-.27180	-.38223	-.31989	-.30581	-.31303	- 27021	.47114	-.58053
1.550	-6 353	-.27349	-.29028	- 26918	-.39824	-.33256	-.29539	- 29336	- 26730	.47332	- 42162
1.550	-4 226	-.27258	-.28781	- 26951	- 39955	-.33491	-.28702	- 28223	-.26671	.47073	- 27049
1.550	-2.083	-.27465	- 28864	-.27374	- 40153	-.32958	-.27396	-.27722	-.26909	.46855	- 12226
1.550	-.032	-.27655	- 28869	-.27779	- 40648	- 32718	-.26630	-.27327	-.27190	.46667	00728
1.550	2.119	-.26636	- 28649	-.26790	- 40706	-.32683	-.25976	- 26336	- 26358	.46601	.13757
1.550	4 219	-.26172	-.27113	-.26357	-.40459	-.32527	-.25572	-.25224	-.25682	.46117	.25916
	GRADIENT	.00143	00168	.00084	- 00074	.00104	.00364	.00350	.00120	-.00103	.06254

LARC UPWT 1152(1A94A) OTSAT130

(RJK043) (18 JUN 76)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. YMRP = 976.0000 IN XT
 LREF = 1290.3000 INCHES YMRP = 0000 IN. YT
 BREF = 1290.3000 INCHES ZMRP = 400.0000 IN ZT
 SCALE = .0100

PARAMETRIC DATA

BETA = -4.000 ELV-LI = 12 000
 ELV-LO = 2.000 ELV-RI = 12 000
 ELV-RO = 2 000

RUN NO 75/ 0 RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	CPB1	CPB2	CPB3	CPB4.5	CPB6	CPB7	CPB8	CPCO	CAU	CNU
1.550	-8.456	- 26911	- 28834	-.26451	- 39273	- 33515	-.29311	-.29726	- 26295	.47436	-.58043
1.550	-6 394	- 27093	- 28801	- 26817	-.38964	- 32869	-.29092	- 29353	- 26507	.47310	-.42514
1.550	-4 203	- 27121	- 28738	-.26937	-.38162	- 32131	-.28193	- 28086	- 26565	.47033	-.27139
1.550	-2.053	-.26906	- 28859	- 26691	- 38378	- 32100	-.27205	-.27099	-.26351	.46721	- 12157
1.550	042	- 26598	- 28337	- 26506	- 39577	- 32008	- 25938	- 26113	- 26167	.46488	01328
1.550	2.124	-.25952	-.27477	-.26076	- 39823	-.31732	- 25536	- 25342	- 25616	.46309	.13718
1.550	4 244	- 25759	- 26394	- 25913	-.39603	- 31633	-.25218	-.24531	-.25362	.45952	.25751
	GRADIENT	.00174	00293	00126	-.00205	00065	00362	00421	00149	-.00122	.06249

DATE 29 OCT 76

TABULATED SOURCE DATA - 1A94A.

PAGE 38

LARC UPWT 1152(1A94A) OTSAT130

(RJK044) (18 JUN 76)

REFERENCE DATA

SREF = 2690.0000 SQ FT. XMRP = 976.0000 IN. XT
 LREF = 1290.3000 INCHES YMRP = .0000 IN YT
 BREF = 1290.3000 INCHES ZMRP = 400.0000 IN ZT
 SCALE = .0100

PARAMETRIC DATA

BETA = .000 ELV-LI = 12.000
 ELV-LO = 2.000 ELV-RI = 12.000
 ELV-RO = 2.000

RUN NO. 73/ 0 RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	CPB1	CPB2	CPB3	CPB4,5	CPB6	CPB7	CPB8	CPCO	CAU	CNU
1.550	-8.437	-26095	-.27468	-.25634	-.36196	-.30869	-.29763	-.29560	-.25512	.47419	-.56466
1.550	-6.289	-26419	-.27423	-26050	-.36247	-.30857	-.29038	-28805	-.25804	.47077	-.40859
1.550	-4.178	-26877	-.27420	-26169	-35729	-30273	-.27704	-.27536	-.25983	.46691	-.26314
1.550	-2.078	-.27008	-.27150	-.26237	-35557	-.29914	-26534	-.26275	-.26051	.46453	-.11859
1.550	.036	-.26510	-.26345	-26955	-.35532	-.29451	-25630	-.25341	-.25800	.46349	.01155
1.550	2.140	-.26020	-.26009	-.25589	-35733	-.29233	-.24859	-.24264	-.25436	.45989	.13370
1.550	4.235	-.25005	-24904	-.24883	-36249	-.29416	-.24677	-.23403	-.24488	.45479	.25456
	GRADIENT	00225	00293	00153	-.00058	00114	00367	.00488	.00171	-.00137	.06119

LARC UPWT 1152(1A94A) OTSAT130

(RJK045) (18 JUN 76)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. YMRP = 976 0000 IN. XT
 LREF = 1290.3000 INCHES YMRP = .0000 IN YT
 BREF = 1290.3000 INCHES ZMRP = 400.0000 IN ZT
 SCALE = .0100

PARAMETRIC DATA

BETA = 4.000 ELV-LI = 12.000
 ELV-LO = 2.000 ELV-RI = 12.000
 ELV-RO = 2.000

RUN NO. 76/ 0 RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	CPB1	CPB2	CPB3	CPB4,5	CPB6	CPB7	CPB8	CPCO	CAU	CNU
1.550	-8.414	-26771	-.27528	-26310	-.32924	-.29055	-.29419	-.29586	-.26094	.47603	-.57455
1.550	-6.333	-.27076	-.27678	-26738	-.33845	-.29972	-.28983	-28905	-.26581	.47534	-.42033
1.550	-4.152	-.27051	-.27315	-.26836	-.33665	-.29732	-.27814	-27492	-.26648	.47072	-.26515
1.550	-2.076	-.27045	-.27033	-26892	-.32522	-.28286	-.26417	-.26005	-.26642	.46628	-.12592
1.550	.035	-.27229	-.26879	-27107	-.31876	-.27059	-25490	-.25142	-.26826	.46369	.01081
1.550	2.127	-.26891	-.26419	-.26861	-.32368	-.26783	-.24748	-.24340	-.26520	.46007	.13598
1.550	4.236	-.26374	-.25810	-26344	-.33050	-.27004	-.23950	-.23359	-.25821	.45580	.25455
	GRADIENT	.00072	00173	00048	.00066	00331	.00448	.00473	.00085	-.00172	.06202

DATE 29 OCT 76

TABULATED SOURCE DATA - 1A94A.

PAGE 39

LARC UPWT 1152(1A94A) OTSAT130

(RJK046) (18 JUN 76)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976 0000 IN. XT
 LREF = 1290.3000 INCHES YMRP = 0000 IN. YT
 BREF = 1290 3000 INCHES ZMRP = 400 0000 IN ZT
 SCALE = 0100

PARAMETRIC DATA

BETA = 6 000 ELV-L1 = 12.000
 ELV-LO = 2 000 ELV-R1 = 12 000
 ELV-RO = 2 000

RUN NO. 77/ 0 RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5 00

MACH	ALPHA	CPB1	CPB2	CPB3	CPB4.5	CPB6	CPB7	CPB8	CPC0	CAU	CNU
1.550	-8 422	-.28027	-.28505	-.27443	-.30673	-.26596	-.29630	-.29766	-.27160	.47123	-.57764
1.550	-6 332	-.28158	-.28513	-.27636	-.31696	-.27310	-.28958	-.29003	-.27445	.47264	-.41552
1.550	-4 160	-.28189	-.28483	-.27759	-.31727	-.27188	-.28092	-.28109	-.27567	.46943	-.26638
1.550	-2.072	-.28150	-.28198	-.27873	-.31135	-.26412	-.26909	-.27020	-.27681	.46611	-.12471
1.550	.004	-.27974	-.27776	-.27789	-.30588	-.24796	-.25836	-.25980	-.27567	.46297	.00599
1.550	2.127	-.27571	-.27220	-.27448	-.30924	-.25591	-.25431	-.25391	-.27043	.46055	.13485
1.550	4 243	-.27302	-.26615	-.27119	-.31455	-.25783	-.24760	-.24445	-.26807	.45555	.25805
	GRADIENT	.00112	.00225	.00081	.00035	.00172	.00387	.00426	.00103	-.00159	.06228

LARC UPWT 1152(1A94A) OTSAT130

(RJK047) (18 JUN 76)

REFERENCE DATA

SREF = 2690 0000 SQ FT XMRP = 976 0000 IN. XT
 LREF = 1290 3000 INCHES YMRP = 0000 IN. YT
 BREF = 1290 3000 INCHES ZMRP = 400.0000 IN ZT
 SCALE = .0100

PARAMETRIC DATA

BETA = -6.000 ELV-L1 = 8 000
 ELV-LO = 2 000 ELV-R1 = 8.000
 ELV-RO = 2 000

RUN NO. 79/ 0 RN/L = 2 00 GRADIENT INTERVAL = -5 00/ 5.00

MACH	ALPHA	CPB1	CPB2	CPB3	CPB4.5	CPB6	CPB7	CPB8	CPC0	CAU	CNU
1.550	-8.456	-.27176	-.28854	-.26653	-.37985	-.31731	-.30696	-.31447	-.26617	.46944	-.58887
1.550	-6.344	-.26665	-.28390	-.26373	-.39678	-.33079	-.29548	-.29252	-.26338	.47119	-.42692
1.550	-4.207	-.26739	-.28230	-.26370	-.39460	-.33107	-.28865	-.28292	-.26244	.46856	-.27237
1.550	-2 049	-.26828	-.28046	-.26736	-.39674	-.32706	-.27841	-.28042	-.26425	.46649	-.12676
1.550	.019	-.26979	-.27982	-.27134	-.40442	-.32580	-.26878	-.27576	-.26667	.46482	.00219
1.550	2 122	-.26175	-.27918	-.26299	-.40472	-.32639	-.26287	-.26585	-.25928	.46428	.13203
1.550	4 229	-.25713	-.26472	-.25868	-.40318	-.32609	-.25916	-.25565	-.25253	.45952	.25200
	GRADIENT	.00128	.00159	.00068	-.00119	.00051	.00354	.00328	.00118	-.00096	.06214

DATE 29 OCT 76

TABULATED SOURCE DATA - 1A94A.

PAGE 40

LARC UPWT 1152(1A94A) OTSAT130

(RJK048) (18 JUN 76)

REFERENCE DATA

PARAMETRIC DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT
 LREF = 1290.3000 INCHES YMRP = .0000 IN. YT
 BREF = 1290.3000 INCHES ZMRP = 400.0000 IN. ZT
 SCALE = .0100

BETA = -4.000 ELV-L1 = 8.000
 ELV-LO = 2.000 ELV-RI = 8.000
 ELV-RO = 2.000

RUN NO. 80/ 0 RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	CPB1	CPB2	CPB3	CPB4.5	CPB6	CPB7	CPB8	CPC0	CAU	CNU
1.550	-8.445	-.26404	-.28055	-.25819	-.39321	-.33240	-.29305	-.29689	-.25849	.47194	-.58482
1.550	-6.289	-.26502	-.27999	-.26164	-.38893	-.32661	-.29155	-.29478	-.26039	.47078	-.42167
1.550	-4.202	-.26502	-.27783	-.26318	-.37876	-.31739	-.28536	-.28520	-.26069	.46788	-.27513
1.550	-2.088	-.26401	-.27867	-.26217	-.38086	-.31640	-.27568	-.27399	-.25907	.46460	-.13248
1.550	.016	-.26043	-.27509	-.25951	-.39265	-.31772	-.26309	-.26545	-.25673	.46293	.00350
1.550	2.164	-.25398	-.26465	-.25753	-.39469	-.31615	-.26032	-.25806	-.25032	.46193	.13210
1.550	4.225	-.25278	-.25668	-.25433	-.39396	-.31673	-.25632	-.24913	-.24882	.45831	.24945
	GRADIENT	.00164	.00267	.00115	-.00210	.00007	.00348	.00417	.00154	-.00103	.06225

LARC UPWT 1152(1A94A) OTSAT130

(RJK049) (18 JUN 76)

REFERENCE DATA

PARAMETRIC DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT
 LREF = 1290.3000 INCHES YMRP = .0000 IN. YT
 BREF = 1290.3000 INCHES ZMRP = 400.0000 IN. ZT
 SCALE = .0100

BETA = .000 ELV-L1 = 8.000
 ELV-LO = 2.000 ELV-RI = 8.000
 ELV-RO = 2.000

RUN NO. 78/ 0 RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	CPB1	CPB2	CPB3	CPB4.5	CPB6	CPB7	CPB8	CPC0	CAU	CNU
1.550	-8.437	-.25449	-.26757	-.24959	-.36036	-.30545	-.29842	-.29393	-.24870	.47167	-.57349
1.550	-6.318	-.25731	-.26579	-.25394	-.36224	-.30733	-.29416	-.29121	-.25243	.46827	-.41504
1.550	-4.163	-.26115	-.26411	-.25625	-.35508	-.29895	-.28138	-.27907	-.25411	.46357	-.26519
1.550	-2.064	-.26343	-.26363	-.25607	-.35219	-.29481	-.27010	-.26659	-.25454	.46266	-.12326
1.550	.026	-.25969	-.25805	-.25416	-.35368	-.29200	-.26140	-.25760	-.25295	.46131	.00528
1.550	2.142	-.25456	-.25385	-.25088	-.35507	-.29059	-.25224	-.24630	-.24907	.45782	.12990
1.550	4.241	-.24512	-.24350	-.24482	-.36230	-.29285	-.24986	-.23683	-.24028	.45275	.24985
	GRADIENT	.00195	.00243	.00134	-.00082	.00078	.00385	.00499	.00158	-.00126	.06106

DATE 29 OCT 76

TABULATED SOURCE DATA - 1A94A.

PAGE 41

LARC UPWT 1152(1A94A) OTSAT130

(RJK050) (18 JUN 76)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976 0000 IN. XT
 LREF = 1290.3000 INCHES YMRP = .0000 IN. YT
 BREF = 1290.3000 INCHES ZMRP = 400.0000 IN. ZT
 SCALE = .0100

PARAMETRIC DATA

BETA = 4.000 ELV-LI = 8.000
 ELV-LO = 2.000 ELV-RI = 8.000
 ELV-RO = 2.000

RUN NO. 81/ 0 RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	CPB1	CPB2	CPB3	CPB4.5	CPB6	CPB7	CPB8	CPC0	CAU	CNU
1.550	-8.441	-.26261	-.27079	-.25586	-.32653	-.28390	-.29430	-.29535	-.25372	.47276	-.58350
1.550	-6.335	-.26423	-.27087	-.26025	-.33766	-.29562	-.29129	-.29050	-.25778	.47251	-.42281
1.550	-4.166	-.26418	-.26744	-.26234	-.33577	-.29342	-.28259	-.27905	-.25987	.46816	-.27449
1.550	-2.071	-.26418	-.26437	-.26326	-.32502	-.27934	-.26746	-.26333	-.26017	.46418	-.12711
1.550	.031	-.26636	-.26317	-.26544	-.31797	-.26896	-.25854	-.25505	-.26234	.46119	.00558
1.550	2.142	-.26295	-.25854	-.26326	-.32256	-.26556	-.25079	-.24670	-.25925	.45792	.13259
1.550	4.237	-.25867	-.25336	-.25868	-.32996	-.26834	-.24310	-.23810	-.25378	.45349	.24717
	GRADIENT	.00058	.00162	.00035	.00067	.00304	.00455	.00469	.00062	-.00169	.06199

LARC UPWT 1152(1A94A) OTSAT130

(RJK051) (18 JUN 76)

REFERENCE DATA

SREF = 2690 0000 SQ.FT. XMRP = 976 0000 IN. XT
 LREF = 1290.3000 INCHES YMRP = .0000 IN. YT
 BREF = 1290.3000 INCHES ZMRP = 400 0000 IN. ZT
 SCALE = .0100

PARAMETRIC DATA

BETA = 6.000 ELV-LI = 8.000
 ELV-LO = 2.000 ELV-RI = 8.000
 ELV-RO = 2.000

RUN NO. 82/ 0 RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	CPB1	CPB2	CPB3	CPB4.5	CPB6	CPB7	CPB8	CPC0	CAU	CNU
1.550	-8.431	-.27711	-.28127	-.26913	-.30538	-.26314	-.29682	-.29817	-.26846	.46883	-.58464
1.550	-6.312	-.27733	-.27995	-.26935	-.31544	-.27101	-.29180	-.29224	-.26929	.47104	-.42757
1.550	-4.184	-.27702	-.27904	-.27119	-.31729	-.27132	-.28315	-.28330	-.27052	.46789	-.27484
1.550	-2.080	-.27496	-.27606	-.27220	-.31060	-.26314	-.27212	-.27384	-.27030	.46440	-.13340
1.550	.024	-.27337	-.27171	-.27153	-.30287	-.24379	-.26249	-.26392	-.26963	.46081	.00565
1.550	2.125	-.26971	-.26652	-.26818	-.30873	-.25453	-.25820	-.25779	-.26507	.45848	.12858
1.550	4.221	-.26753	-.26127	-.26569	-.31577	-.25695	-.25045	-.24698	-.26290	.45369	.25060
	GRADIENT	.00115	.00214	.00071	.00023	.00178	.00377	.00422	.00097	-.00163	.06247

DATE 29 OCT 76

TABULATED SOURCE DATA - 1A94A.

PAGE 42

LARC UPWT 1152(1A94A) OTSAT130

(RJK052) (18 JUN 76)

REFERENCE DATA

SREF = 2690.0000 SQ FT. XMRP = 976.0000 IN. XT
 LREF = 1290.3000 INCHES YMRP = .0000 IN. YT
 BREF = 1290.3000 INCHES ZMRP = 400.0000 IN. ZT
 SCALE = .0100

PARAMETRIC DATA

BETA = -6.000 ELV-LI = 8.000
 ELV-LO = -5.000 ELV-RI = 8.000
 ELV-RO = -5.000

RUN NO 84/ 0 RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	CPB1	CPB2	CPB3	CPB4.5	CPB6	CPB7	CPB8	CPCO	CAU	CNU
1.550	-8.453	-.27098	-.28835	-.26607	-.37856	-.31674	-.30768	-.31454	-.26632	.46861	-.60482
1.550	-6.341	-.26794	-.28377	-.26333	-.39487	-.32902	-.29535	-.29238	-.26298	.46952	-.43554
1.550	-4.222	-.26646	-.28045	-.26308	-.38937	-.32815	-.28861	-.28289	-.26182	.46708	-.28685
1.550	-2.079	-.26794	-.28040	-.26702	-.39272	-.32259	-.27867	-.28160	-.26359	.46464	-.13951
1.550	.034	-.26972	-.28065	-.27126	-.40068	-.32376	-.27120	-.27846	-.26690	.46305	-.00561
1.550	2.107	-.26235	-.27973	-.26389	-.40221	-.32591	-.26503	-.26829	-.26017	.46251	.12114
1.550	4.226	-.25740	-.26527	-.25894	-.40066	-.32435	-.26222	-.25871	-.25340	.45718	.24061
	GRADIENT	00112	.00147	00054	-.00152	.00021	.00315	.00292	.00096	-.00104	.06241

LARC UPWT 1152(1A94A) OTSAT130

(RJK053) (18 JUN 76)

REFERENCE DATA

SREF = 2690.0000 SQ FT. XMRP = 976.0000 IN. XT
 LREF = 1290.3000 INCHES YMRP = .0000 IN. YT
 BREF = 1290.3000 INCHES ZMRP = 400.0000 IN. ZT
 SCALE = .0100

PARAMETRIC DATA

BETA = -4.000 ELV-LI = 8.000
 ELV-LO = -5.000 ELV-RI = 8.000
 ELV-RO = -5.000

RUN NO. 85/ 0 RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	CPB1	CPB2	CPB3	CPB4.5	CPB6	CPB7	CPB8	CPCO	CAU	CNU
1.550	-8.454	-.26220	-.27836	-.25698	-.39198	-.33192	-.29424	-.29836	-.25757	.47095	-.60063
1.550	-6.323	-.26413	-.27906	-.26076	-.38681	-.32525	-.29215	-.29536	-.25980	.46913	-.43601
1.550	-4.216	-.26438	-.27716	-.26254	-.37570	-.31539	-.28530	-.28513	-.26035	.46597	-.28510
1.550	-2.057	-.26419	-.27727	-.26297	-.37608	-.31427	-.27707	-.27569	-.25955	.46278	-.13991
1.550	.021	-.26081	-.27512	-.26082	-.38746	-.31641	-.26503	-.26767	-.25711	.46096	-.00723
1.550	2.140	-.25435	-.26469	-.25621	-.39022	-.31702	-.26256	-.26028	-.25129	.45942	.11845
1.550	4.220	-.25288	-.25769	-.25442	-.38903	-.31585	-.25891	-.25140	-.24952	.45561	.23962
	GRADIENT	.00156	.00247	00109	-.00184	-.00017	.00320	.00393	.00142	-.00114	.06208

DATE 29 OCT 76

TABULATED SOURCE DATA - 1A94A.

PAGE 43

LARC UPWT 1152(1A94A) OTSAT130

(RJK054) (18 JUN 76)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT
 LREF = 1290.3000 INCHES YMRP = .0000 IN. YT
 BREF = 1290.3000 INCHES ZMRP = 400.0000 IN. ZT
 SCALE = .0100

PARAMETRIC DATA

BETA = .000 ELV-L1 = 8.000
 ELV-L0 = -5.000 ELV-R1 = 8.000
 ELV-R0 = -5.000

RUN NO. 83/ 0 RN/L = 1.99 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	CPB1	CPB2	CPB3	CPB4.5	CPB6	CPB7	CPB8	CPC0	CAU	CNU
1.550	-8.460	-.25341	-.26682	-.24849	-.35895	-.30571	-.29871	-.29512	-.24850	.47081	-.59278
1.550	-6.346	-.25639	-.26489	-.25301	-.35919	-.30594	-.29430	-.29133	-.25178	.46679	-.43131
1.550	-4.203	-.26021	-.26379	-.25560	-.35044	-.29627	-.28053	-.27728	-.25375	.46209	-.28211
1.550	-2.064	-.26315	-.26364	-.25607	-.34818	-.29461	-.27079	-.26756	-.25451	.46088	-.13786
1.550	.023	-.25893	-.25790	-.25462	-.34771	-.29227	-.26285	-.25871	-.25307	.45941	-.00509
1.550	2.119	-.25462	-.25451	-.25154	-.35080	-.29288	-.25479	-.24882	-.25001	.45567	.11789
1.550	4.244	-.24558	-.24426	-.24559	-.35906	-.29311	-.25253	-.23945	-.24132	.45013	.23993
	GRADIENT	.00179	.00229	.00116	-.00094	.00038	.00342	.00448	.00139	-.00138	.06167

LARC UPWT 1152(1A94A) OTSAT130

(RJK055) (18 JUN 76)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT
 LREF = 1290.3000 INCHES YMRP = .0000 IN. YT
 BREF = 1290.3000 INCHES ZMRP = 400.0000 IN. ZT
 SCALE = .0100

PARAMETRIC DATA

BETA = 4.000 ELV-L1 = 8.000
 ELV-L0 = -5.000 ELV-R1 = 8.000
 ELV-R0 = -5.000

RUN NO. 86/ 0 RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	CPB1	CPB2	CPB3	CPB4.5	CPB6	CPB7	CPB8	CPC0	CAU	CNU
1.550	-8.439	-.26115	-.26993	-.25470	-.32446	-.28182	-.29563	-.29759	-.25285	.47181	-.59411
1.550	-6.325	-.26330	-.27024	-.25931	-.33491	-.29346	-.29254	-.29205	-.25714	.47041	-.43081
1.550	-4.199	-.26308	-.26654	-.26124	-.33314	-.29109	-.28151	-.27703	-.25906	.46629	-.28695
1.550	-2.076	-.26406	-.26455	-.26314	-.32458	-.28012	-.26891	-.26446	-.26034	.46192	-.13953
1.550	.016	-.26679	-.26361	-.26588	-.31596	-.26938	-.25900	-.25550	-.26307	.45909	-.00674
1.550	2.125	-.26384	-.25943	-.26415	-.32097	-.26796	-.25325	-.24884	-.26043	.45561	.12088
1.550	4.227	-.25957	-.25486	-.25958	-.32683	-.26616	-.24588	-.24118	-.25496	.45115	.23647
	GRADIENT	.00034	.00136	.00011	.00077	.00295	.00413	.00415	.00038	-.00174	.06210

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OF POOR QUALITY

DATE 29 OCT 76

TABULATED SOURCE DATA - 1A94A.

PAGE 44

LARC UPWT 1152(1A94A) OTSAT130

(RJK056) (18 JUN 76)

REFERENCE DATA

PARAMETRIC DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT
 LREF = 1290.3000 INCHES YMRP = 0000 IN. YT
 BREF = 1290.3000 INCHES ZMRP = 400.0000 IN. ZT
 SCALE = .0100

BETA = 6.000 ELV-L1 = 8.000
 ELV-LO = -5.000 ELV-R1 = 8.000
 ELV-RO = -5.000

RUN NO. 87/ 0 RN/L = 2 00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	CPB1	CPB2	CPB3	CPB4,5	CPB6	CPB7	CPB8	CPC0	CAU	CNU
1.550	-8.450	-.27576	-.27961	-.26778	-.30648	-.26240	-.29209	-.29190	-.26772	.46727	-.59588
1.550	-6.343	-.27649	-.27911	-.26851	-.31733	-.27231	-.29188	-.29170	-.26844	.46867	-.43860
1.550	-4.180	-.27621	-.27853	-.27069	-.31736	-.27142	-.28389	-.28372	-.27000	.46602	-.28705
1.550	-2.069	-.27470	-.27610	-.27164	-.31032	-.26349	-.27312	-.27513	-.27034	.46202	-.13829
1.550	.023	-.27348	-.27242	-.27164	-.30234	-.24452	-.26473	-.26682	-.27034	.45906	-.00967
1.550	2.132	-.26982	-.26663	-.26890	-.30635	-.25373	-.26019	-.26008	-.26547	.45641	.11793
1.550	4.226	-.26859	-.26234	-.26676	-.31372	-.25495	-.25340	-.25054	-.26425	.45119	.23893
	GRADIENT	.00096	.00199	.00050	.00054	.00203	.00352	.00387	.00078	-.00168	.06226

LARC UPWT 1152(1A94A) OTSAT130

(RJK057) (18 JUN 76)

REFERENCE DATA

PARAMETRIC DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT
 LREF = 1290.3000 INCHES YMRP = 0000 IN. YT
 BREF = 1290.3000 INCHES ZMRP = 400 0000 IN ZT
 SCALE = .0100

BETA = -6.000 ELV-L1 = 8.000
 ELV-LO = -10.000 ELV-R1 = 8.000
 ELV-RO = -10.000

RUN NO. 89/ 0 RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	CPB1	CPB2	CPB3	CPB4,5	CPB6	CPB7	CPB8	CPC0	CAU	CNU
1.550	-8.457	-.26984	-.28752	-.26554	-.37902	-.31715	-.30687	-.31466	-.26578	.46781	-.50710
1.550	-6.336	-.26735	-.28289	-.26305	-.39499	-.32939	-.29479	-.29275	-.26330	.46867	-.44170
1.550	-4.185	-.26609	-.28010	-.26333	-.39221	-.32967	-.28992	-.28532	-.26235	.46576	-.28864
1.550	-2.086	-.26668	-.27915	-.26638	-.39034	-.32352	-.28052	-.28282	-.26355	.46367	-.14489
1.550	.003	-.26920	-.28043	-.27105	-.39961	-.32510	-.27162	-.27918	-.26728	.46243	-.01161
1.550	2.125	-.26240	-.27979	-.26456	-.40236	-.32783	-.26633	-.27021	-.26113	.46142	.11636
1.550	4.237	-.25813	-.26569	-.25998	-.40022	-.32632	-.26327	-.26006	-.25473	.45559	.24180
	GRADIENT	.00096	.00134	.00041	-.00133	.00011	.00319	.00300	.00084	-.00107	.06279

DATE 29 OCT 76

TABULATED SOURCE DATA - 1A94A.

PAGE 45

LARC UPWT 1152(1A94A) OTSAT130

(RJK058) (18 JUN 76)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT
 LREF = 1290.3000 INCHES YMRP = .0000 IN. YT
 BREF = 1290.3000 INCHES ZMRP = 400.0000 IN. ZT
 SCALE = .0100

PARAMETRIC DATA

BETA = -4.000 ELV-LI = 8.000
 ELV-LO = -10.000 ELV-RI = 8.000
 ELV-RO = -10.000

RUN NO. 90/ 0 RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	CPB1	CPB2	CPB3	CPB4,5	CPB6	CPB7	CPB8	CPC0	CAU	CNU
1.550	-8.460	-.26154	-.27770	-.25693	-.39163	-.33248	-.29451	-.29956	-.25721	.47033	-.60655
1.550	-6.323	-.26283	-.27745	-.25976	-.38644	-.32548	-.29178	-.29591	-.25910	.46843	-.44093
1.550	-4.190	-.26322	-.27600	-.26200	-.37512	-.31544	-.28569	-.28582	-.26011	.46544	-.29365
1.550	-2.078	-.26334	-.27672	-.26243	-.37550	-.31431	-.27530	-.27422	-.25962	.46197	-.14797
1.550	.019	-.26064	-.27463	-.26095	-.38630	-.31834	-.26548	-.26873	-.25784	.46053	-.01130
1.550	2.129	-.25480	-.26512	-.25726	-.39029	-.32018	-.26363	-.26196	-.25234	.45832	.11461
1.550	4.232	-.25332	-.25751	-.25548	-.38787	-.31778	-.25998	-.25309	-.25056	.45447	.23790
	GRADIENT	.00135	.00231	.00086	-.00191	-.00050	.00300	.00369	.00125	-.00122	.06298

LARC UPWT 1152(1A94A) OTSAT130

(RJK059) (18 JUN 76)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT
 LREF = 1290.3000 INCHES YMRP = .0000 IN. YT
 BREF = 1290.3000 INCHES ZMRP = 400.0000 IN. ZT
 SCALE = .0100

PARAMETRIC DATA

BETA = .000 ELV-LI = 8.000
 ELV-LO = -10.000 ELV-RI = 8.000
 ELV-RO = -10.000

RUN NO. 88/ 0 RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	CPB1	CPB2	CPB3	CPB4,5	CPB6	CPB7	CPB8	CPC0	CAU	CNU
1.550	-8.462	-.25187	-.26463	-.24759	-.35886	-.30582	-.29917	-.29589	-.24760	.46930	-.59666
1.550	-6.302	-.25516	-.26333	-.25210	-.35797	-.30487	-.29358	-.29093	-.25117	.46512	-.42868
1.550	-4.182	-.25940	-.26236	-.25541	-.35333	-.29870	-.28304	-.28133	-.25356	.46047	-.28281
1.550	-2.073	-.26210	-.26260	-.25627	-.34837	-.29590	-.27126	-.26866	-.25472	.45921	-.13708
1.550	.028	-.25894	-.25760	-.25465	-.34739	-.29368	-.26346	-.25964	-.25341	.45782	-.00204
1.550	2.114	-.25467	-.25426	-.25192	-.35048	-.29493	-.25578	-.24982	-.25068	.45459	.11724
1.550	4.254	-.24635	-.24503	-.24697	-.35691	-.29521	-.25359	-.24179	-.24240	.44847	.24094
	GRADIENT	.00159	.00210	.00101	-.00044	.00038	.00353	.00465	.00125	-.00136	.06182

DATE 29 OCT 76

TABULATED SOURCE DATA - 1A94A.

PAGE 46

LARC UPWT 1152(1A94A) OTSAT130

(RJK060) (18 JUN 76)

REFERENCE DATA

SREF = 2690.0000 SQ FT. XMRP = 976.0000 IN. XT
 LREF = 1290.3000 INCHES YMRP = .0000 IN. YT
 BREF = 1290.3000 INCHES ZMRP = 400.0000 IN. ZT
 SCALE = .0100

PARAMETRIC DATA

BETA = 4.000 ELV-L1 = 8.000
 ELV-LO = -10.000 ELV-R1 = 8.000
 ELV-RO = -10.000

RUN NO. 91/ 0 RN/L = 2.01 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	CPB1	CPB2	CPB3	CPB4,5	CPB6	CPB7	CPB8	CPC0	CAU	CNU
1.550	-8.445	-.25959	-.26806	-.25345	-.32468	-.28116	-.29527	-.29723	-.25191	.47167	-.60120
1.550	-6.337	-.26149	-.26842	-.25812	-.33640	-.29467	-.29162	-.29082	-.25625	.47013	-.44193
1.550	-4.174	-.26216	-.26603	-.26094	-.33399	-.29167	-.28212	-.27887	-.25906	.46574	-.28892
1.550	-2.099	-.26345	-.26394	-.26315	-.32513	-.28132	-.26891	-.26539	-.26004	.46184	-.15107
1.550	.011	-.26624	-.26336	-.26594	.31687	-.27095	-.26000	-.25680	-.26312	.45921	-.01298
1.550	2.126	-.26443	-.25971	-.26504	-.32058	-.26945	-.25479	-.25099	-.26162	.45512	.11512
1.550	4.217	-.26028	-.25496	-.26090	-.32745	-.26715	-.24662	-.24192	-.25597	.45060	.23177
	GRADIENT	.00013	.00126	-.00009	.00084	.00290	.00405	.00420	.00022	-.00176	.06224

LARC UPWT 1152(1A94A) OTSAT130

(RJK061) (18 JUN 76)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT
 LREF = 1290.3000 INCHES YMRP = .0000 IN. YT
 BREF = 1290.3000 INCHES ZMRP = 400 0000 IN. ZT
 SCALE = .0100

PARAMETRIC DATA

BETA = 6.000 ELV-L1 = 8.000
 ELV-LO = -10.000 ELV-R1 = 8.000
 ELV-RO = -10.000

RUN NO. 92/ 0 RN/L = 2.01 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	CPB1	CPB2	CPB3	CPB4,5	CPB6	CPB7	CPB8	CPC0	CAU	CNU
1.550	-8.441	-.27441	-.27857	-.26737	-.30631	-.26382	-.29595	-.29637	-.26730	.46761	-.60441
1.550	-6.324	-.27503	-.27795	-.26859	-.31858	-.27421	-.29195	-.29237	-.26821	.46866	-.44585
1.550	-4.193	-.27536	-.27738	-.27046	-.31891	-.27332	-.28489	-.28533	-.27038	.46542	-.29535
1.550	-2.069	-.27503	-.27581	-.27227	-.31214	-.26535	-.27438	-.27669	-.27096	.46185	-.14952
1.550	.008	-.27453	-.27317	-.27300	-.30335	-.24561	-.26556	-.26789	-.27138	.45876	-.01656
1.550	2.111	-.27124	-.26805	-.27063	-.30802	-.25700	-.26165	-.26183	-.26750	.45601	.10922
1.550	4.227	-.26965	-.26340	-.26843	-.31410	-.25663	-.25573	-.25317	-.26591	.45057	.23692
	GRADIENT	.00072	.00173	.00027	.00065	.00198	.00338	.00377	.00059	-.00169	.06295

DATE 29 OCT 76

TABULATED SOURCE DATA - 1A94A.

PAGE 47

LARC UPWT 1152(1A94A) OTSAT129

(SJK001) (18 JUN 76)

REFERENCE DATA

SREF = 2690.0000 SQ FT. XMRP = 976.0000 IN. XT
 LREF = 1290.3000 INCHES YMRP = 0.0000 IN. YT
 BREF = 1290.3000 INCHES ZMRP = 400.0000 IN. ZT
 SCALE = 0100

PARAMETRIC DATA

BETA = -6.000 ELV-LI = .000
 ELV-LO = .000 ELV-RI = .000
 ELV-RO = .000

RUN NO.	3/ 0	RN/L = 2 00	GRADIENT INTERVAL = -5.00/ 5.00					
MACH	ALPHA	CYN	CBL	CLMU	CHEI	CHEO	Q(PSF)	CY
1.550	-8.461	-.13602	.03807	.23735	.12439	.01039	479.29215	.32350
1.550	-6.341	-.12681	.04037	.17099	.11160	.00205	479.24956	.30596
1.550	-4.203	-.12508	.04247	.11151	.09675	-.00758	479.37733	.29939
1.550	-2.111	-.12608	.04507	.05611	.08157	-.01555	479.37733	.29900
1.550	.004	-.12819	.04696	.00700	.06769	-.01838	479.46252	.29874
1.550	2.119	-.13119	.04938	-.03945	.05441	-.02137	479.41993	.30239
1.550	4.215	-.13086	.05063	-.08363	.04280	-.02597	479.33474	.30022
	GRADIENT	-.00079	.00098	-.02306	-.00641	-.00202	-.00201	.00024

RUN NO.	8/ 0	RN/L = 2 00	GRADIENT INTERVAL = -5.00/ 5.00					
MACH	ALPHA	CYN	CBL	CLMU	CHEI	CHEO	Q(PSF)	CY
2.000	-7.750	-.12443	.03497	.21161	.05339	.00023	474.79892	.30277
2.000	-5.638	-.11919	.03571	.15479	.03844	-.00634	474.58421	.29276
2.000	-3.527	-.12057	.03858	.10460	.02526	-.01122	474.69157	.29172
2.000	-1.423	-.12273	.03957	.05769	.01161	-.01686	474.69157	.29065
2.000	.673	-.12516	.04033	.01452	.00024	-.02429	474.62000	.28706
2.000	2.766	-.12798	.04059	-.02642	-.01213	-.03173	474.47686	.28831
2.000	4.868	-.12609	.04112	-.06947	-.01888	-.03676	474.47686	.28507
	GRADIENT	-.00078	.00029	-.02060	-.00534	-.00314	-.03069	-.00075

DATE 29 OCT 76

TABULATED SOURCE DATA - 1A94A.

PAGE 48

LARC UPWT 1152(1A94A) OTSAT129

(SJK002) (18 JUN 76)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT
 LREF = 1290.3000 INCHES YMRP = .0000 IN. YT
 BREF = 1290.3000 INCHES ZMRP = 400.0000 IN. ZT
 SCALE = .0100

PARAMETRIC DATA

BETA = -4.000 ELV-L1 = .000
 ELV-LO = .000 ELV-R1 = .000
 ELV-RO = .000

RUN NO.		4/ 0	RN/L = 2 00	GRADIENT INTERVAL = -5.00/ 5.00				
MACH	ALPHA	CYN	CBL	CLMU	CHE1	CHE0	Q(PSF)	CY
1.550	-8.459	-.08878	.02457	.23872	.12475	.01327	479.29215	.21461
1.550	-6.338	-.08268	.02652	.17351	.11180	.00470	479.37733	.20205
1.550	-4.208	-.08021	.02752	.11527	.09697	-.00544	479.46252	.19560
1.550	-2.097	-.08246	.02952	.05955	.08156	-.01363	479.41993	.19650
1.550	.014	-.08386	.03087	.00974	.06982	-.01716	479.46252	.19579
1.550	2.120	-.08754	.03257	-.03857	.05712	-.02021	479.59029	.19927
1.550	4.217	-.08774	.03432	-.08157	.04552	-.02451	479.50511	.20121
	GRADIENT	-.00096	.00079	-.02335	-.00604	-.00212	.01214	.00066

RUN NO.		9/ 0	RN/L = 2 00	GRADIENT INTERVAL = -5.00/ 5.00				
MACH	ALPHA	CYN	CBL	CLMU	CHE1	CHE0	Q(PSF)	CY
2.000	-7.746	-.08570	.02355	.21120	.05343	.00237	474.40529	.20912
2.000	-5.637	-.08040	.02482	.15535	.04133	-.00356	474.44107	.19974
2.000	-3.524	-.08204	.02684	.10416	.02791	-.01021	474.51264	.19815
2.000	-1.400	-.08582	.02776	.05949	.01413	-.01641	474.47686	.19947
2.000	.668	-.08759	.02804	.01812	.00216	-.02306	474.47686	.19987
2.000	2.776	-.08989	.02815	-.02490	-.00784	-.03034	474.47686	.20051
2.000	4.859	-.08701	.02797	-.06856	-.01532	-.03552	474.44107	.19622
	GRADIENT	-.00067	.00013	-.02053	-.00518	-.00308	-.00684	-.00013

DATE 29 OCT 76

TABULATED SOURCE DATA - 1A94A.

PAGE 49

LARC UPWT 1152(1A94A) OTSAT129

(SJK003) (18 JUN 76)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT
 LREF = 1290.3000 INCHES YMRP = .0000 IN. YT
 BREF = 1290.3000 INCHES ZMRP = 400.0000 IN. ZT
 SCALE = .0100

PARAMETRIC DATA

BETA = .000 ELV-LI = .000
 ELV-LO = .000 ELV-RI = .000
 ELV-RO = .000

RUN NO.	2/ 0	RN/L =	2.00	GRADIENT INTERVAL = -5.00/ 5.00				
MACH	ALPHA	CYN	CBL	CLMU	CHEI	CHEO	Q(PSF)	CY
1.550	-8.447	-.00463	.00239	.23595	.12577	.02329	478.99400	.01566
1.550	-6.320	-.00472	.00266	.17437	.11487	.00979	478.95141	.01379
1.550	-4.183	-.00551	.00286	.11579	.10286	.00174	479.07919	.01603
1.550	-2.099	-.00575	.00250	.06020	.09255	-.00644	478.99400	.01430
1.550	.019	-.00667	.00257	.01240	.08020	-.01127	479.03659	.01537
1.550	2.123	-.00770	.00245	-.03235	.06870	-.01541	478.99400	.01723
1.550	4.230	-.00735	.00211	-.07675	.06099	-.01986	478.95141	.01697
	GRADIENT	-.00027	-.00007	-.02269	-.00511	-.00248	-.01213	.00023

RUN NO	7/ 0	RN/L =	1.99	GRADIENT INTERVAL = -5.00/ 5.00				
MACH	ALPHA	CYN	CBL	CLMU	CHEI	CHEO	Q(PSF)	CY
2.000	-7.740	-.00308	.00175	.20668	.05915	.00498	474.69157	.01115
2.000	-5.615	-.00351	.00230	.15088	.04864	-.00116	474.44107	.01317
2.000	-3.515	-.00377	.00260	.10539	.03894	-.00852	474.33372	.01289
2.000	-1.412	-.00349	.00227	.06266	.02804	-.01727	474.22636	.01288
2.000	.683	-.00481	.00273	.02045	.01559	-.02464	473.90429	.01614
2.000	2.778	-.00469	.00218	-.02065	.00624	-.03092	473.83272	.01529
2.000	4.861	-.00452	.00190	-.06621	.00264	-.03483	473.54644	.01468
	GRADIENT	-.00013	-.00007	-.02037	-.00451	-.00317	-.09397	.00029

DATE 29 OCT 76

TABULATED SOURCE DATA - 1A94A.

PAGE 50

LARC UPWT 1152(1A94A) OTSAT129

(SJK004) (18 JUN 76)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT
 LREF = 1290.3000 INCHES YMRP = .0000 IN. YT
 BREF = 1290.3000 INCHES ZMRP = 400.0000 IN. ZT
 SCALE = .0100

PARAMETRIC DATA

BETA = 4.000 ELV-LI = .000
 ELV-LO = .000 ELV-RI = .000
 ELV-RO = .000

RUN NO. 5/ 0 RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	CYN	CBL	CLMU	CHEI	CHEO	Q(PSF)	CY
1.550	-8.454	.07573	-.01853	.23937	.12540	.03645	479.50511	-.18065
1.550	-6.331	.06957	-.02084	.17356	.11582	.02160	479.41993	-.16963
1.550	-4.222	.06856	-.02182	.11698	.10822	.01258	479.50511	-.16570
1.550	-2.087	.07101	-.02343	.05997	.09827	.00606	479.46252	-.16490
1.550	.024	.07103	-.02461	.00926	.08748	-.00046	479.46252	-.16262
1.550	2.115	.07179	-.02602	-.03814	.07829	-.00736	479.12178	-.16151
1.550	4.215	.07097	-.02740	-.08039	.06989	-.01288	478.95141	-.16196
	GRADIENT	.00027	-.00065	-.02339	-.00459	-.00305	-.06861	.00052

RUN NO 10/ 0 RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	CYN	CBL	CLMU	CHEI	CHEO	Q(PSF)	CY
2.000	-7.740	.07770	-.01865	.20887	.06924	.00812	474.44107	-.18018
2.000	-5.630	.07154	-.01991	.15320	.05798	.00199	474.47686	-.16935
2.000	-3.516	.07247	-.02154	.10311	.04732	-.00573	474.44107	-.16665
2.000	-1.409	.07480	-.02207	.06014	.03761	-.01277	474.47686	-.16448
2.000	.686	.07531	-.02243	.01797	.02875	-.01834	474.47686	-.16277
2.000	2.761	.07337	-.02197	-.02335	.02012	-.02407	474.47686	-.15794
2.000	4.859	.06977	-.02124	-.06982	.01521	-.02703	474.47686	-.15246
	GRADIENT	-.00033	.00003	-.02052	-.00391	-.00258	.00343	.00167

DATE 29 OCT 76

TABULATED SOURCE DATA - 1A94A.

PAGE 51

LARC UPWT 1152(1A94A) OTSAT129

(SJK005) (18 JUN 76)

REFERENCE DATA

SREF = 2690.0000 SQ FT. XMRP = 976.0000 IN. XT
 LREF = 1290.3000 INCHES YMRP = 0000 IN. YT
 BREF = 1290.3000 INCHES ZMRP = 400.0000 IN. ZT
 SCALE = .0100

PARAMETRIC DATA

BETA = 6.000 ELV-LI = .000
 ELV-LO = 000 ELV-RI = .000
 ELV-RO = 000

RUN NO. 6/ 0		RN/L = 2.00		GRADIENT INTERVAL = -5.00/ 5.00				
MACH	ALPHA	CYN	CBL	CLMU	CHEI	CHEO	Q(PSF)	CY
1.550	-8.452	.12022	-.03138	.23889	.12461	.04131	479.37733	-.28256
1.550	-6.335	.11142	-.03353	.17386	.11546	.02698	479.46252	-.26755
1.550	-4.197	.10772	-.03516	.11615	.10732	.01825	479.80326	-.25922
1.550	-2.078	.10762	-.03686	.05931	.09973	.01257	479.84585	-.25386
1.550	.023	.11186	-.03960	.00758	.09086	.00666	479.80326	-.25651
1.550	2.114	.11221	-.04135	-.03909	.08207	-.00138	479.88844	-.25558
1.550	4.214	.10978	-.04297	-.08405	.07555	-.00788	479.97363	-.25354
	GRADIENT	00041	-.00096	-.02374	-.00386	-.00315	.01823	.00046

RUN NO 11/ 0		RN/L = 2.00		GRADIENT INTERVAL = -5.00/ 5.00				
MACH	ALPHA	CYN	CBL	CLMU	CHEI	CHEO	Q(PSF)	CY
2.000	-7.740	.11625	-.03009	.20987	.07463	.01133	474.47686	-.27498
2.000	-5.642	.10979	-.03140	.15498	.06311	.00452	474.58421	-.26256
2.000	-3.507	.10877	-.03327	.10514	.05307	-.00209	474.44107	-.25635
2.000	-1.407	.11234	-.03423	.05665	.04468	-.00867	474.51264	-.25602
2.000	.683	.11295	-.03486	.01398	.03664	-.01586	474.62000	-.25112
2.000	2.766	.11475	-.03545	-.02636	.02899	-.02105	474.47686	-.25110
2.000	4.863	.11145	-.03508	-.07056	.02264	-.02360	474.54843	-.24497
	GRADIENT	00037	-.00023	-.02077	-.00366	-.00265	.00858	.00132

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DATE 29 OCT 76

TABULATED SOURCE DATA - 1A94A.

PAGE 52

LARC UPWT 1152(1A94A) OTSAT129 (INVERTED)

(SJK006) (18 JUN 76)

REFERENCE DATA

PARAMETRIC DATA

SREF = 2590.0000 SQ.FT. XMRP = 976.0000 IN. XT
 LREF = 1290.3000 INCHES YMRP = .0000 IN. YT
 BREF = 1290.3000 INCHES ZMRP = 400.0000 IN. ZT
 SCALE = .0100

BETA = .000 ELV-L1 = .000
 ELV-LO = .000 ELV-R1 = .000
 ELV-RO = .000

RUN NO.	1/ 0	RN/L = 2.00	GRADIENT INTERVAL = -5.00/ 5.00					
MACH	ALPHA	CYN	CBL	CLMU	CHEI	CHEO	Q(PSF)	CY
1.550	-4.423	.00365	.00002	.12394	.10397	.00297	477.75882	-.00159
1.550	-2.286	.00426	-.00053	.06690	.09409	-.00538	477.80141	-.00335
1.550	-.158	.00305	-.00067	.01680	.08275	-.01075	478.01438	-.00215
1.550	1.936	.00134	-.00053	-.02826	.07005	-.01498	477.88660	.00134
1.550	4.038	.00247	-.00165	-.07194	.06290	-.01990	477.97178	-.00165
1.550	6.165	.00151	-.00150	-.11649	.05006	-.02535	478.01438	.00065
1.550	8.230	.00077	-.00124	-.15942	.03792	-.02918	478.14215	.00149
	GRADIENT	-.00025	-.00016	-.02303	-.00502	-.00262	.02424	.00022

RUN NO	12/ 0	RN/L = 2.00	GRADIENT INTERVAL = -5.00/ 5.00					
MACH	ALPHA	CYN	CBL	CLMU	CHEI	CHEO	Q(PSF)	CY
2.000	-5.053	.00054	.00018	.13964	.04766	-.00340	474.62000	.00203
2.000	-2.944	-.00033	.00050	.09477	.03748	-.01075	474.62000	.00261
2.000	-.839	-.00031	.00024	.05176	.02754	-.01949	474.69157	.00246
2.000	1.264	-.00144	.00064	.01118	.01676	-.02653	474.69157	.00572
2.000	3.364	-.00135	.00048	-.03047	.00826	-.03264	474.72735	.00511
2.000	5.478	-.00306	.00024	-.08048	.00503	-.03403	474.76314	.00618
2.000	7.560	-.00375	.00018	-.12909	-.00147	-.03435	474.65578	.00735
	GRADIENT	-.00020	.00002	-.01980	-.00468	-.00346	.01532	.00051

DATE 29 OCT 76

TABULATED SOURCE DATA - 1A94A.

PAGE 53

LARC UPWT 1152(1A94A) OTSAT130

(SJK007) (18 JUN 76)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT
 LREF = 1290.3000 INCHES YMRP = .0000 IN. YT
 BREF = 1290.3000 INCHES ZMRP = 400.0000 IN. ZT
 SCALE = .0100

PARAMETRIC DATA

BETA = -6.000 ELV-L1 = .000
 ELV-LO = .000 ELV-R1 = .000
 ELV-RO = .000

RUN NO. 14/ 0 RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00								
MACH	ALPHA	CYN	CBL	CLMU	CHEI	CHEO	Q(PSF)	CY
1.550	-8.462	-.13484	.03756	.23709	.12469	.00744	478.61067	.32055
1.550	-6.337	-.12650	.03990	.17106	.11135	-.00046	478.78104	.30679
1.550	-4.221	-.12495	.04197	.11353	.09636	-.00928	478.95141	.29944
1.550	-2.094	-.12534	.04425	.05870	.08104	-.01786	478.99400	.29631
1.550	.016	-.12743	.04627	.00749	.06644	-.02108	479.07919	.29577
1.550	2.110	-.12881	.04780	-.03711	.05397	-.02368	479.16437	.29683
1.550	4.224	-.12882	.04942	-.08304	.04176	-.02782	479.07919	.29503
	GRADIENT	-.00053	.00087	-.02318	-.00646	-.00203	.02019	-.00039

RUN NO. 19/ 0 RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00								
MACH	ALPHA	CYN	CBL	CLMU	CHEI	CHEO	Q(PSF)	CY
2.000	-7.725	-.12309	.03476	.20962	.05137	-.00101	474.65578	.30142
2.000	-5.632	-.11714	.03548	.15534	.03772	-.00688	474.69157	.29056
2.000	-3.497	-.11820	.03782	.10442	.02347	-.01223	474.54843	.28700
2.000	-1.394	-.12131	.03900	.05751	.00982	-.01780	474.54843	.28699
2.000	.680	-.12504	.04809	.01666	-.00061	-.02468	474.65578	.28712
2.000	2.776	-.12785	.04104	-.02469	-.01103	-.03211	474.58421	.28786
2.000	4.873	-.12474	.04123	-.06873	-.01728	-.03675	474.58421	.28234
	GRADIENT	-.00094	.00042	-.02049	-.00489	-.00303	.00512	-.00040

DATE 29 OCT 76

TABULATED SOURCE DATA - 1A94A.

PAGE 54

LARC UPWT 1152(1A94A) OTSAT130

(SJK008) (18 JUN 76)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT
 LREF = 1290.3000 INCHES YMRP = .0000 IN. YT
 BREF = 1290.3000 INCHES ZMRP = 400.0000 IN. ZT
 SCALE = .0100

PARAMETRIC DATA

BETA = -4.000 ELV-LI = .000
 ELV-LO = .000 ELV-RI = .000
 ELV-RO = .000

RUN NO. 15/ 0 RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00								
MACH	ALPHA	CYN	CBL	CLMU	CHEI	CHEO	Q(PSF)	CY
1.550	-8.454	- .08705	.02348	.24005	.12343	.01138	478.86622	.20891
1.550	-6.325	- .08045	.02550	.17607	.11024	.00243	478.95141	.19790
1.550	-4.207	- .07937	.02709	.11724	.09635	- .00736	478.99400	.19365
1.550	-2.076	- .07973	.02830	.06110	.08163	- .01571	479.03659	.19111
1.550	.020	- .08138	.02969	.01055	.06895	- .01932	478.90882	.19072
1.550	2.122	- .08499	.03132	-.03686	.05624	- .02231	478.99400	.19466
1.550	4.225	- .08537	.03315	-.08146	.04522	- .02630	478.86622	.19616
	GRADIENT	- .00082	.00072	-.02352	-.00606	- .00211	- .01414	.00041

RUN NO 20/ 0 RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00								
MACH	ALPHA	CYN	CBL	CLMU	CHEI	CHEO	Q(PSF)	CY
2.000	-7.722	- .08292	.02290	.21063	.05317	.00100	474.62000	.20373
2.000	-5.615	- .07746	.02392	.15469	.04107	- .00518	474.62000	.19337
2.000	-3.514	- .07844	.02588	.10512	.02769	- .01106	474.62000	.19084
2.000	-1.389	- .08268	.02686	.05988	.01305	- .01702	474.65578	.19383
2.000	.700	- .08448	.02725	.01861	.00108	- .02298	474.58421	.19340
2.000	2.772	- .08550	.02719	- .02234	- .00833	- .03048	474.62000	.19256
2.000	4.864	- .08251	.02680	- .06645	- .01532	- .03613	474.58421	.18787
	GRADIENT	- .00053	.00010	-.02034	-.00513	- .00304	- .00513	-.00034

DATE 29 OCT 76

TABULATED SOURCE DATA - 1A94A.

PAGE 55

LARC UPWT 1152(1A94A) OTSAT130

(SJK009) (18 JUN 76)

REFERENCE DATA

PARAMETRIC DATA

SREF = 2690.0000 SQ.FT. XMRP = 976 0000 IN. XT
 LREF = 1290.3000 INCHES YMRP = .0000 IN. YT
 BREF = 1290 3000 INCHES ZMRP = 400 0000 IN. ZT
 SCALE = .0100

BETA = .000 ELV-L1 = .000
 ELV-L0 = .000 ELV-R1 = .000
 ELV-R0 = .000

RUN NO. 13/ 0		RN/L = 2.00		GRADIENT INTERVAL = -5.00/ 5.00				
MACH	ALPHA	CYN	CBL	CLMU	CHE1	CHE0	Q(PSF)	CY
1.550	-8 440	- .00320	.00228	.23295	.12778	.02014	478 14215	.01281
1 550	-6.298	-.00368	.00260	.17248	.11499	.00652	478.95141	.01266
1 550	-4.208	-.00272	.00209	.11654	.10178	-.00085	475.20328	.01108
1.550	-2 066	-.00418	.00220	.05944	.09053	- .00940	476.52364	.01263
1.550	.039	-.00540	.00227	.01167	.07863	- .01395	479 20696	.01412
1.550	2.120	- .00775	.00240	-.03184	.06732	- .01769	479 54770	.01793
1.550	4.229	- .00626	.00169	-.07745	.06015	- .02230	479 07919	.01515
	GRADIENT	- .00051	- .00003	-.02276	- .00506	-.00243	51227	.00064

RUN NO 18/ 0		RN/L = 2.00		GRADIENT INTERVAL = -5 00/ 5.00				
MACH	ALPHA	CYN	CBL	CLMU	CHE1	CHE0	Q(PSF)	CY
2.000	-7.727	- .00286	.00210	.20709	.05766	.00291	475 08521	.01209
2.000	-5 618	- .00292	.00248	.15334	.04706	- .00348	474 65578	.01227
2.000	-3 506	- .00271	.00268	.10883	.03735	- .00990	474 76314	.01243
2.000	-1 412	- .00355	.00266	.06610	.02634	-.01818	474 62000	.01376
2.000	.690	- .00397	.00258	.02314	.01376	- .02589	475 04942	.01396
2.000	2 762	- .00500	.00244	- .01649	.00491	-.03147	474 90628	.01566
2 000	4 871	- .00562	.00201	-.06402	.00048	- .03620	474 76314	.01628
	GRADIENT	- .00035	-.00007	- .02047	- .00455	-.00315	01370	.00046

DATE 29 OCT 76

TABULATED SOURCE DATA - 1A94A.

PAGE 56

LARC UPWT 1152(1A94A) OTSAT130

(SJK010) (18 JUN 76)

REFERENCE DATA

PARAMETRIC DATA

SREF = 2690.0000 SQ.FT XMRP = 976.0000 IN. XT
 LREF = 1290.3000 INCHES YMRP = .0000 IN. YT
 BREF = 1290.3000 INCHES ZMRP = 400.0000 IN. ZT
 SCALE = 0100

BETA = 4.000 ELV-LI = .000
 ELV-LO = .000 ELV-RI = .000
 ELV-RO = .000

RUN NO 16/ 0 RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	CYN	CBL	CLMU	CHEI	CHEO	Q(PSF)	CY
1.550	-8.449	.07531	-.01735	.24061	.12481	.03216	479.03659	-.17691
1.550	-6.308	.06847	-.01962	.17480	.11553	.01858	479.16437	-.16632
1.550	-4.149	.06807	-.02094	.11507	.10641	.00895	479.07919	-.16140
1.550	-2.079	.06982	-.02269	.06101	.09690	.00303	479.20696	-.16113
1.550	.028	.07104	-.02435	.01064	.08707	-.00322	479.12178	-.16102
1.550	2.127	.07250	-.02583	-.03621	.07877	-.00950	479.12178	-.16158
1.550	4.228	.07055	-.02736	-.08152	.06960	-.01517	479.33474	-.16042
	GRADIENT	.00036	-.00076	-.02339	-.00438	-.00290	.02031	.00007

RUN NO 21/ 0 RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	CYN	CBL	CLMU	CHEI	CHEO	Q(PSF)	CY
2.000	-7.717	.07379	-.01726	.20672	.06622	.00559	474.65578	-.17277
2.000	-5.614	.06918	-.01865	.15336	.05592	.00054	474.62000	-.16340
2.000	-3.506	.07072	-.02057	.10470	.04634	-.00634	474.65578	-.16165
2.000	-1.395	.07367	-.02135	.06194	.03701	-.01370	474.54843	-.16226
2.000	.683	.07427	-.02179	.02000	.02838	-.01988	474.62000	-.15910
2.000	2.790	.07278	-.02164	-.02201	.01856	-.02584	474.62000	-.15607
2.000	4.875	.06928	-.02089	-.06785	.01377	-.02885	474.69157	-.15042
	GRADIENT	-.00018	-.00004	-.02048	-.00399	-.00273	.00681	.00137

DATE 29 OCT 76

TABULATED SOURCE DATA - 1A94A.

PAGE 57

LARC UPWT 1152(1A94A) OTSAT130

(SJK011) (18 JUN 76)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976 0000 IN. XT
 LREF = 1290.3000 INCHES YMRP = 0000 IN. YT
 BREF = 1290.3000 INCHES ZMRP = 400 0000 IN. ZT
 SCALE = .0100

PARAMETRIC DATA

BETA = 6.000 ELV-L1 = 000
 ELV-LO = .000 ELV-R1 = .000
 ELV-RO = .000

RUN NO. 17/ 0		RN/L = 2.00		GRADIENT INTERVAL = -5.00/ 5.00				
MACH	ALPHA	CYN	CBL	CLMU	CHEI	CHEO	Q(PSF)	CY
1.550	-8.454	.12177	-.03064	.23995	.12464	.03844	479.24956	-.28190
1.550	-6.351	.11325	-.03307	.17579	.11529	.02366	479.16437	-.26768
1.550	-4.221	.10882	-.03453	.11848	.10711	.01509	479.16437	-.25838
1.550	-2.103	.10775	-.03626	.06252	.09880	.30978	479.16437	-.25254
1.550	.016	.11077	-.03905	.01007	.08954	.00432	479.24956	-.25297
1.550	2.119	.11148	-.04093	-.03844	.08110	-.00375	479.33474	-.25300
1.550	4.216	.10925	-.04237	-.08381	.07435	-.01027	479.29215	-.25002
	GRADIENT	00022	-.00096	-.02397	-.00395	-.00305	.02020	.00077

RUN NO 22/ 0		RN/L = 2.00		GRADIENT INTERVAL = -5.00/ 5.00				
MACH	ALPHA	CYN	CBL	CLMU	CHEI	CHEO	Q(PSF)	CY
2.000	-7.699	.11231	-.02888	.20809	.07134	.00911	474.83471	-.26630
2.000	-5.649	.10732	-.02990	.15636	.06200	.00321	474.87049	-.25787
2.000	-3.520	.10739	-.03220	.10478	.05338	-.00317	474.87049	-.25172
2.000	-1.400	.11050	-.03324	.05659	.04500	-.01005	474.87049	-.25115
2.000	.693	.11241	-.03435	.01529	.03675	-.01701	474.83471	-.24962
2.000	2.774	.11280	-.03459	-.02488	.02873	-.02266	474.72735	-.24704
2.000	4.875	.11053	-.03464	-.07094	.02166	-.02544	474.83471	-.24233
	GRADIENT	00041	-.00030	-.02065	-.00380	-.00273	-.01022	.00109

DATE 29 OCT 76

TABULATED SOURCE DATA - 1A94A.

PAGE 58

LARC UPWT 1152(1A94A) OTSAT130

(SJK012) (18 JUN 76)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT
 LREF = 1290.3000 INCHES YMRP = .0000 IN. YT
 BREF = 1290.3000 INCHES ZMRP = 400 0000 IN. ZT
 SCALE = .0100

PARAMETRIC DATA

BETA = -6.000 ELV-LI = .000
 ELV-LO = -5.000 ELV-RI = .000
 ELV-RO = -5.000

RUN NO 24/ 0 RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	CYN	CBL	CLMU	CHE1	CHE0	Q(PSF)	CY
2.000	-7 746	- 12685	.03579	.22133	.05220	.01500	474.69157	.30838
2.000	-5.612	-.11974	.03621	.16201	.03773	.00865	474.47686	.29469
2.000	-3.525	-.12038	.03850	.11247	.02420	.00329	474.40529	.29110
2 00J	-1.428	-.12376	.03987	.06687	.01163	-.00256	474.22636	.29202
2 000	.689	-.12722	.04113	.02235	.00072	- 00952	474 26215	.29166
2.000	2.770	- 12969	.04153	-.01841	- 00981	-.01580	474.11900	.29165
2.000	4.859	- 12718	.04166	- 06090	- 01681	-.02045	474.11900	.28776
	GRADIENT	- 00093	.00038	- 02061	-.00494	-.00290	- 03242	- 00034

LARC UPWT 1152(1A94A) OTSAT130

(SJK013) (18 JUN 76)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT
 LREF = 1290.3000 INCHES YMRP = .0000 IN. YT
 BREF = 1290.3000 INCHES ZMRP = 400 0000 IN. ZT
 SCALE = .0100

PARAMETRIC DATA

BETA = -4.000 ELV-LI = .000
 ELV-LO = -5.000 ELV-RI = .000
 ELV-RO = -5.000

RUN NO. 25/ 0 RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	CYN	CBL	CLMU	CHE1	CHE0	Q(PSF)	CY
2.000	-7 724	- 08575	.02365	.22122	.05312	.01610	473 94008	.20771
2.000	-5.636	-.08041	.02475	.16503	.04181	.01042	474 36950	.19826
2.000	-3 516	-.08129	.02686	.11422	.02822	.00398	475 26413	.19648
2.000	-1 425	-.08503	.02768	.07003	.01446	-.00224	475.65777	.19793
2 000	.668	-.08616	.02799	.02736	.00251	-.00803	475 72934	.19694
2 000	2 771	- 08661	.02783	- 01575	- 00747	- 01476	475 15678	.19530
2 000	4.857	-.08431	.02739	-.05919	-.01508	-.02029	474 22636	.19179
	GRADIENT	- 00036	.00006	-.02066	-.00518	-.00292	-.12304	- 00057

DATE 29 OCT 76

TABULATED SOURCE DATA - 1A94A.

PAGE 59

LARC UPWT 1152(1A94A) OTSAT130

(SJK014) (18 JUN 76)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT
 LREF = 1290.3000 INCHES YMRP = .0000 IN. YT
 BREF = 1290.3000 INCHES ZMRP = 400.0000 IN. ZT
 SCALE = .0100

PARAMETRIC DATA

BETA = .000 ELV-LI = .000
 ELV-LO = -5.000 ELV-RI = .000
 ELV-RO = -5.000

RUN NO. 23/ 0 RN/L = 1.99 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	CYN	CBL	CLMU	CHEI	CHEO	Q(PSF)	CY
2.000	-7.731	-.00457	.00272	.21736	.05876	.01756	475.87248	.01502
2.000	-5.639	-.00475	.00304	.16330	.04771	.01177	475.29992	.01602
2.000	-3.526	-.00427	.00316	.11549	.03789	.00498	474.01165	.01483
2.000	-1.414	-.00531	.00328	.07283	.02746	-.00364	474.01165	.01671
2.000	.680	-.00531	.00299	.03105	.01523	-.01131	473.90429	.01611
2.000	2.768	-.00664	.00289	-.01157	.00576	-.01737	473.40330	.01782
2.000	4.871	-.00668	.00248	-.05707	.00036	-.02251	473.11702	.01849
	GRADIENT	-.00029	-.00008	-.02048	-.00451	-.00328	-.11424	.00040

LARC UPWT 1152(1A94A) OTSAT130

(SJK015) (18 JUN 76)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT
 LREF = 1290.3000 INCHES YMRP = .0000 IN. YT
 BREF = 1290.3000 INCHES ZMRP = 400.0000 IN. ZT
 SCALE = .0100

PARAMETRIC DATA

BETA = 4.000 ELV-LI = .000
 ELV-LO = -5.000 ELV-RI = .000
 ELV-RO = -5.000

RUN NO. 26/ 0 RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	CYN	CBL	CLMU	CHEI	CHEO	Q(PSF)	CY
2.000	-7.742	.07365	-.01676	.21953	.06697	.02049	475.26413	-.17144
2.000	-5.642	.06784	-.01789	.16320	.05659	.01506	475.22835	-.16167
2.000	-3.480	.06931	-.02003	.11496	.04687	.00795	475.33570	-.15988
2.000	-1.400	.07161	-.02067	.07169	.03742	.00084	475.40727	-.15909
2.000	.694	.07349	-.02146	.02728	.02882	-.00533	475.26413	-.15871
2.000	2.805	.07105	-.02090	-.01512	.01924	-.01143	475.51463	-.15286
2.000	4.872	.06911	-.02047	-.06064	.01363	-.01522	475.37149	-.14939
	GRADIENT	-.00005	-.00005	-.02095	-.00405	-.00280	.00861	.00130

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DATE 29 OCT 76

TABULATED SOURCE DATA - 1A94A..

PAGE 60

LARC UPWT 1152(1A94A) OTSAT130

(SJK016) (18 JUN 76)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT
 LREF = 1290.3000 INCHES YMRP = .0000 IN. YT
 BREF = 1290.3000 INCHES ZMRP = 400.0000 IN. ZT
 SCALE = .0100

PARAMETRIC DATA

BETA = 6.000 ELV-LI = .000
 ELV-LO = -5.000 ELV-RI = .000
 ELV-RO = -5.000

RUN NO. 27/ 0 RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	CYN	CBL	CLMU	CHE1	CHEO	Q(PSF)	CY
2.000	-7.755	.11381	-.02868	.22075	.07306	.02370	475.33570	-.26873
2.000	-5.611	.10643	-.02942	.16505	.06241	.01743	475.37149	-.25600
2.000	-3.490	.10736	-.03182	.11343	.05355	.01108	475.51463	-.25282
2.000	-1.406	.10968	-.03275	.06617	.04507	.00443	475.40727	-.25099
2.000	.677	.11177	-.03396	.02476	.03741	-.00170	475.55041	-.24963
2.000	2.776	.11257	-.03435	-.01716	.02941	-.00811	475.47884	-.24697
2.000	4.876	.11091	-.03433	-.06208	.02222	-.01197	475.65777	-.24389
	GRADIENT	.00048	-.00032	-.02077	-.00374	-.00280	.01713	.00105

LARC UPWT 1152(1A94A) OTSAT130

(SJK017) (18 JUN 76)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT
 LREF = 1290.3000 INCHES YMRP = .0000 IN. YT
 BREF = 1290.3000 INCHES ZMRP = 400.0000 IN. ZT
 SCALE = .0100

PARAMETRIC DATA

BETA = -6.000 ELV-LI = 10.000
 ELV-LO = -5.000 ELV-RI = 10.000
 ELV-RO = -5.000

RUN NO. 29/ 0 RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	CYN	CBL	CLMU	CHE1	CHEO	Q(PSF)	CY
1.550	-8.460	-.13719	.03758	.22176	.02044	.02576	478.18475	.32564
1.550	-6.335	-.12792	.04010	.15231	.00761	.01771	478.14215	.31017
1.550	-4.192	-.12485	.04194	.09395	-.00596	.00942	478.05697	.29948
1.550	-2.091	-.12583	.04456	.03959	-.01872	.00159	478.52548	.29837
1.550	.022	-.12744	.04646	-.01020	-.03067	-.00237	479.71807	.29675
1.550	2.129	-.12908	.04810	-.05651	-.04108	-.00574	479.89844	.29772
1.550	4.223	-.13014	.04977	-.10190	-.04946	-.01010	479.76066	.29754
	GRADIENT	-.00066	.00091	-.02317	-.00520	-.00220	.22676	-.00022

DATE 29 OCT 76

TABULATED SOURCE DATA - 1A94A.

PAGE 61

LARC UPWT 1152(1A94A) OTSAT130

(SJK017) (18 JUN 76)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT
 LREF = 1290.3000 INCHES YMRP = .0000 IN. YT
 BREF = 1290.3000 INCHES ZMRP = 400.0000 IN. ZT
 SCALE = .0100

PARAMETRIC DATA

BETA = -6.000 ELV-LI = 10.000
 ELV-LO = -5.000 ELV-RI = 10.000
 ELV-RO = -5.000

RUN NO. 34/ 0 RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	CYN	CBL	CLMU	CHEI	CHEO	Q(PSF)	CY
2.000	-7.748	-.12325	.03502	.20508	-.03710	.01688	473.47487	.30128
2.000	-5.631	-.11769	.03588	.14858	-.04923	.01058	473.68958	.29165
2.000	-3.526	-.11787	.03811	.09838	-.05953	.00520	474.79892	.28707
2.000	-1.431	-.12038	.03942	.05202	-.06933	-.00054	474.79892	.28697
2.000	.676	-.12349	.04081	.01027	-.07788	-.00727	474.94207	.28585
2.000	2.779	-.12698	.04155	-.03300	-.08635	-.01408	474.79892	.28773
2.000	4.864	-.12550	.04177	-.07456	-.08929	-.01941	474.83471	.28543
	GRADIENT	-.00104	.00045	-.02053	-.00365	-.00299	.00342	-.00012

LARC UPWT 1152(1A94A) OTSAT130

(SJK018) (18 JUN 76)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT
 LREF = 1290.3000 INCHES YMRP = .0000 IN. YT
 BREF = 1290.3000 INCHES ZMRP = 400.0000 IN. ZT
 SCALE = .0100

PARAMETRIC DATA

BETA = -4.000 ELV-LI = 10.000
 ELV-LO = -5.000 ELV-RI = 10.000
 ELV-RO = -5.000

RUN NO. 30/ 0 RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	CYN	CBL	CLMU	CHEI	CHEO	Q(PSF)	CY
1.550	-8.462	-.09000	.02421	.22293	.02215	.02801	479.93103	.21764
1.550	-6.332	-.08196	.02598	.15732	.00959	.01999	479.80326	.20130
1.550	-4.220	-.08067	.02750	.10012	-.00303	.01091	479.71807	.19657
1.550	-2.089	-.08169	.02896	.04503	-.01576	.00371	479.71807	.19523
1.550	.019	-.08325	.03034	-.00630	-.02642	-.00031	479.93103	.19486
1.550	2.128	-.08803	.03234	-.05469	-.03757	-.00413	479.84585	.20014
1.550	4.235	-.08728	.03392	-.09941	-.04520	-.00865	479.93103	.20029
	GRADIENT	-.00093	.00077	-.02361	-.00503	-.00222	.02621	.00058

DATE 29 OCT 76

TABULATED SOURCE DATA - 1A94A.

PAGE 62

LARC UPWT 1152(1A94A) OTSAT130

(SJK018) (18 JUN 76)

REFERENCE DATA

PARAMETRIC DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN XT
 LREF = 1290.3000 INCHES YMRP = 0000 IN. YT
 BREF = 1290.3000 INCHES ZMRP = 400.0000 IN. ZT
 SCALE = .0100

BETA = -4.000 ELV-LI = 10.000
 ELV-LO = -5.000 ELV-RI = 10.000
 ELV-RO = -5.000

RUN NO. 35/ 0 RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	CYN	CBL	CLMU	CHEI	CHEO	Q(PSF)	CY
2.000	-7.732	-.08379	.02317	.20661	-.03235	.01807	474.62000	.20528
2.000	-5.653	-.07687	.02408	.14939	-.04226	.01194	474.79892	.19214
2.000	-3.521	-.07935	.02666	.09984	-.05291	.00581	474.87049	.19339
2.000	-1.413	-.08226	.02721	.05421	-.06357	-.00031	474.79892	.19414
2.000	.686	-.08361	.02759	.01139	-.07276	-.00665	474.79892	.19330
2.000	2.786	-.08402	.02759	-.03046	-.08193	-.01338	474.90628	.19080
2.000	4.872	-.08246	.02712	-.07277	-.08472	-.01925	475.01364	.18820
	GRADIENT	-.00038	.00006	-.02049	-.00391	-.00301	.01873	-.00065

LARC UPWT 1152(1A94A) OTSAT130

(SJK019) (18 JUN 76)

REFERENCE DATA

PARAMETRIC DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN XT
 LREF = 1290.3000 INCHES YMRP = 0000 IN. YT
 BREF = 1290.3000 INCHES ZMRP = 400.0000 IN. ZT
 SCALE = .0100

BETA = .000 ELV-LI = 10.000
 ELV-LO = -5.000 ELV-RI = 10.000
 ELV-RO = -5.000

RUN NO. 28/ 0 RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	CYN	CBL	CLMU	CHEI	CHEO	Q(PSF)	CY
1.550	-8.415	-.00514	.00257	.21522	.03155	.03609	479.16437	.01709
1.550	-6.310	-.00496	.00266	.15625	.01993	.02200	478.99400	.01592
1.550	-4.194	-.00515	.00255	.09984	.01021	.01517	478.86622	.01438
1.550	-2.082	-.00597	.00243	.04375	.00036	.00797	478.78104	.01532
1.550	.028	-.00748	.00273	-.00539	-.01094	.00334	478.65326	.01843
1.550	2.123	-.00784	.00236	-.04931	-.02053	-.00100	478.78104	.01768
1.550	4.227	-.00821	.00225	-.09395	-.02540	-.00629	478.52548	.01862
	GRADIENT	-.00038	-.00003	-.02284	-.00438	-.00247	-.03239	.00052

DATE 29 OCT 76

TABULATED SOURCE DATA - 1A94A.

PAGE 63

LARC UPWT 1152(1A94A) OTSAT130

(SJK019) (18 JUN 76)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT
 LREF = 1290.3000 INCHES YMRP = 0000 IN. YT
 BREF = 1290.3000 INCHES ZMRP = 400.0000 IN. ZT
 SCALE = .0100

PARAMETRIC DATA

BETA = .000 ELV-LI = 10.000
 ELV-LO = -5.000 ELV-RI = 10.000
 ELV-RO = -5.000

RUN NO 33/ 0 RN/L = 2 00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	CYN	CEL	CLMU	CHEI	CHEO	Q(PSF)	CY
2.000	-7 716	- 00143	.00187	.20374	-.01919	.01894	475.72934	.00995
2.000	-5.616	-.00218	.00211	.15072	-.02605	.01306	475.62199	.01059
2.000	-3 519	- 00304	.00262	.10421	-.03397	.00682	474.29793	.01294
2 000	-1.415	-.00254	.00231	.05201	-.04232	- 00139	474.08322	.01170
2.000	689	- 00304	.00236	.01775	-.05357	- 00960	474.44107	.01262
2 000	2.770	-.00464	.00220	- 02422	-.06177	- 01586	474.51264	.01512
2.000	4.867	-.00426	.00170	-.07015	-.06386	- 02113	474.47686	.01354
	GRADIENT	- 00022	-.00009	-.02075	- 00378	- 00336	03756	.00022

LARC UPWT 1152(1A94A) OTSAT130

(SJK020) (18 JUN 76)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT
 LREF = 1290.3000 INCHES YMRP = .0000 IN. YT
 BREF = 1290.3000 INCHES ZMRP = 400 0000 IN. ZT
 SCALE = .0100

PARAMETRIC DATA

BETA = 4.000 ELV-LI = 10.000
 ELV-LO = -5.000 ELV-RI = 10.000
 ELV-RO = -5.000

RUN NO. 31/ 0 RN/L = 2.01 GRADIENT INTERVAL = -5 00/ 5 00

MACH	ALPHA	CYN	CEL	CLMU	CHEI	CHEO	Q(PSF)	CY
1.550	-8 452	.07411	-.01746	.22475	.03476	.05079	480.74029	-.17469
1.550	-6 337	.06734	-.01957	.16132	.02659	.03589	480.86807	- .16331
1 550	-4 196	.06632	- 02066	.10266	.01986	.02735	480.74029	-.15906
1 550	-2 078	.06704	-.02218	.04630	.01265	.02124	480.69770	-.15658
1.550	028	.06982	-.02427	- 00338	.00544	.01511	480.78288	-.15888
1.550	2 132	.07050	-.02532	- 05101	- 00194	.00771	480.78288	-.15840
1.550	4 230	.06867	-.02659	- 09567	-.00956	.00083	480.69770	-.15651
	GRADIENT	.00039	-.00071	-.02345	- 00349	- 00316	.00001	.00016

DATE 29 OCT 76

TABULATED SOURCE DATA - 1A94A.

PAGE 64

LARC UPWT 1152(1A94A) OTSAT130

(SJK020) (18 JUN 76)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976 0000 IN. XT
 LREF = 1290.3000 INCHES YMRP = 0000 IN. YT
 BREF = 1290.3000 INCHES ZMRP = 400.0000 IN. ZT
 SCALE = .0100

PARAMETRIC DATA

BETA = 4.000 ELV-LI = 10.000
 ELV-LO = -5.000 ELV-RI = 10.000
 ELV-RO = -5.000

RUN NO. 36/ 0 RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	CYN	CBL	CLMU	CHEI	CHEO	Q(PSF)	CY
2 000	-7 744	.07517	-.01762	.20401	-.00147	.02157	474.97785	-.17366
2 000	-5.619	.06875	-.01902	.14688	-.00845	.01599	474.97785	-.16306
2 000	-3.505	.06984	-.02094	.09827	-.01580	.00895	474.94207	-.16137
2 000	-1 420	.07293	-.02172	.05474	-.02253	.00191	474.97785	-.16151
2 000	.681	.07364	-.02224	.01228	-.02829	-.00418	474.90628	-.15981
2 000	2 770	.07261	-.02213	-.03112	-.03600	-.01059	474.94207	-.15514
2 000	4 870	.07102	-.02161	-.07723	-.04089	-.01453	475.08521	-.15266
	GRADIENT	.00010	-.00008	-.02086	-.00304	-.00284	.01197	.00114

LARC UPWT 1152(1A94A) OTSAT130

(SJK021) (18 JUN 76)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976 0000 IN. XT
 LREF = 1290.3000 INCHES YMRP = 0000 IN. YT
 BREF = 1290.3000 INCHES ZMRP = 400.0000 IN. ZT
 SCALE = .0100

PARAMETRIC DATA

BETA = 6.000 ELV-LI = 10.000
 ELV-LO = -5.000 ELV-RI = 10.000
 ELV-RO = -5.000

RUN NO. 32/ 0 RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	CYN	CBL	CLMU	CHEI	CHEO	Q(PSF)	CY
1.550	-8.442	.11990	-.03076	.22295	.03747	.05539	480.78288	-.27888
1 550	-6.319	.11096	-.03301	.15875	.02837	.04270	480.74029	-.26474
1.550	-4 201	.10759	-.03478	.10090	.02893	.03266	480.52733	-.25716
1.550	-2.085	.10631	-.03644	.04703	.01419	.02782	480.52733	-.25208
1.550	.022	.10977	-.03918	-.00733	.00828	.02276	480.52733	-.25207
1.550	2.123	.11077	-.04085	-.05513	.00237	.01407	480.44214	-.25217
1.550	4.231	.10817	-.04222	-.10095	-.00303	.00560	480.39955	-.24895
	GRADIENT	.00027	-.00092	-.02401	-.00284	-.00322	-.01616	.00078

DATE 29 OCT 76

TABULATED SOURCE DATA - 1A94A.

PAGE 65

LARC UPWT 1152(1A94A) OTSAT130

(SJK021) (18 JUN 76)

REFERENCE DATA

SREF = 2690.0000 SQ FT XMRP = 976.0000 IN. XT
 LREF = 1290.3000 INCHES YMRP = .0000 IN. YT
 BREF = 1290.3000 INCHES ZMRP = 400.0000 IN. ZT
 SCALE = .0100

PARAMETRIC DATA

BETA = 6.000 ELV-LI = 10.000
 ELV-LO = -5.000 ELV-RI = 10.000
 ELV-RO = -5.000

RUN NO. 37/ 0 RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	CYN	CBL	CLMU	CHEI	CHEO	Q(PSF)	CY
2.000	-7.729	.11360	-.02972	.20030	.00634	.02448	474.97785	-.26920
2.000	-5.638	.10652	-.03040	.14848	-.00122	.01844	474.97785	-.25704
2.000	-3.518	.10650	-.03244	.09680	-.00808	.01232	474.94207	-.25151
2.000	-1.409	.10947	-.03364	.04935	-.01445	.00559	474.83471	-.25088
2.000	.679	.11194	-.03486	.00719	-.01971	-.00077	475.04942	-.24957
2.000	2.773	.11233	-.03528	-.03557	-.02522	-.00711	475.01364	-.24635
2.000	4.871	.11047	-.03502	-.07925	-.03048	-.01113	475.08521	-.24250
	GRADIENT	.00052	-.00032	-.02085	-.00265	-.00284	02217	00108

LARC UPWT 1152(1A94A) OTSAT130

(SJK022) (18 JUN 76)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT
 LREF = 1290.3000 INCHES YMRP = .0000 IN. YT
 BREF = 1290.3000 INCHES ZMRP = 400.0000 IN. ZT
 SCALE = .0100

PARAMETRIC DATA

BETA = -6.000 ELV-LI = 10.000
 ELV-LO = 2.000 ELV-RI = 10.000
 ELV-RO = 2.000

RUN NO. 39/ 0 RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	CYN	CBL	CLMU	CHEI	CHEO	Q(PSF)	CY
1.550	-8.462	-.13372	.03674	.21180	.01755	-.00391	479.29215	.31903
1.550	-6.337	-.12421	.03900	.14542	.00462	-.01226	479.29215	.30191
1.550	-4.207	-.12263	.04118	.08699	-.00947	-.02099	479.24956	.29611
1.550	-2.061	-.12442	.04410	.03203	-.02173	-.02858	479.16437	.29472
1.550	.037	-.12494	.04558	-.01610	-.03278	-.03120	479.07919	.29123
1.550	2.136	-.12741	.04752	-.06206	-.04358	-.03395	479.07919	.29477
1.550	4.223	-.12788	.04914	-.10581	-.05183	-.03824	479.12178	.29396
	GRADIENT	-.00064	.00092	-.02279	-.00506	-.00190	-.01624	-.00020

DATE 29 OCT 76

TABULATED SOURCE DATA - 1A94A.

PAGE 66

LARC UPWT 1152(1A94A) OTSAT130

(SJK022) (18 JUN 76)

REFERENCE DATA

PARAMETRIC DATA

SREF = 2690.0000 SQ.FT. XMRP = 976 0000 IN. XT
 LREF = 1290.3000 INCHES YMRP = 0000 IN. YT
 BREF = 1290.3000 INCHES ZMRP = 400 0000 IN. ZT
 SCALE = .0100

BETA = -6.000 ELV-L1 = 10.000
 ELV-LO = 2.000 ELV-R1 = 10.000
 ELV-RO = 2.000

RUN NO. 44/ 0 RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	CYN	CBL	CLMU	CHE1	CHEO	Q(PSF)	CY
2.000	-7 717	-.12138	.03453	.18749	-.03937	-.00914	474.22636	.29791
2.000	-5 601	-.11618	.03550	.13470	-.05127	-.01441	474.11900	.28733
2.000	-3 513	-.11665	.03784	.08639	-.06244	-.01944	474.08322	.28431
2.000	-1 417	-.12007	.03908	.04124	-.07214	-.02487	474.01165	.28388
2.000	694	-.12356	.04069	-.00085	-.08214	-.03197	474.40529	.28369
2.000	2.785	-.12647	.04112	-.04197	-.09019	-.03876	474.58421	.28428
2.000	4.886	-.12485	.04196	-.08506	-.09163	-.04409	474.76314	.28246
	GRADIENT	-.00109	.00049	-.02029	-.00364	-.00301	09204	-.00016

LARC UPWT 1152(1A94A) OTSAT130

(SJK023) (18 JUN 76)

REFERENCE DATA

PARAMETRIC DATA

SREF = 2690.0000 SQ.FT. XMRP = 976 0000 IN. XT
 LREF = 1290.3000 INCHES YMRP = 0000 IN. YT
 BREF = 1290.3000 INCHES ZMRP = 400.0000 IN. ZT
 SCALE = .0100

BETA = -4.000 ELV-L1 = 10.000
 ELV-LO = 2.000 ELV-R1 = 10.000
 ELV-RO = 2.000

RUN NO. 40/ 0 RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	CYN	CBL	CLMU	CHE1	CHEO	Q(PSF)	CY
1.550	-8 442	-.08683	.02337	.21262	.02112	-.00107	478.90882	.21003
1.550	-6.350	-.08023	.02518	.15080	.00807	-.00913	478.82363	.19769
1.550	-4.193	-.08060	.02739	.09148	-.00583	-.01917	478.90882	.19666
1.550	-2.106	-.08001	.02828	.03782	-.01834	-.02638	478.86622	.19184
1.550	.023	-.08097	.02935	-.01312	-.02952	-.02968	478.78104	.19082
1.550	2.136	-.08613	.03163	-.05969	-.03959	-.03244	478.86622	.19768
1.550	4.216	-.08379	.03239	-.10348	-.04774	-.03651	478.78104	.19327
	GRADIENT	-.00059	.00063	-.02315	-.00499	-.00193	01212	-.00004

DATE 29 OCT 76

TABULATED SOURCE DATA - 1A94A.

PAGE 67

LARC UPWT 1152(1A94A) OTSAT130

(SJK023) (18 JUN 76)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT
 LREF = 1290.3000 INCHES YMRP = .0000 IN. YT
 BREF = 1290.3000 INCHES ZMRP = 400.0000 IN. ZT
 SCALE = .0100

PARAMETRIC DATA

BETA = -4.000 ELV-LI = 10.000
 ELV-LO = 2.000 ELV-RI = 10.000
 ELV-RO = 2.000

RUN NO. 45/ 0 RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	CYN	CBL	CLMU	CHEI	CHEO	Q(PSF)	CY
2.000	-7.718	-.08227	.02286	.19015	-.03442	-.00696	474.76314	.20317
2.000	-5.610	-.07580	.02394	.13626	-.04483	-.01268	474.79892	.19090
2.000	-3.495	-.07847	.02629	.08680	-.05586	-.01787	474.72735	.19078
2.000	-1.397	-.08176	.02685	.04340	-.06700	-.02382	474.83471	.19227
2.000	.699	-.08351	.02733	.00228	-.07681	-.02947	474.72735	.19284
2.000	2.779	-.08525	.02747	-.03933	-.08541	-.03637	474.58421	.19201
2.000	4.878	-.08263	.02709	-.08359	-.08687	-.04301	474.65578	.18668
	GRADIENT	-.00056	.00011	-.02024	-.00384	-.00300	-.01879	-.00040

LARC UPWT 1152(1A94A) OTSAT130

(SJK024) (18 JUN 76)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT
 LREF = 1290.3000 INCHES YMRP = .0000 IN. YT
 BREF = 1290.3000 INCHES ZMRP = 400.0000 IN. ZT
 SCALE = .0100

PARAMETRIC DATA

BETA = .000 ELV-LI = 10.000
 ELV-LO = 2.000 ELV-RI = 10.000
 ELV-RO = 2.000

RUN NO. 38/ 0 RN/L = 1.99 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	CYN	CBL	CLMU	CHEI	CHEO	Q(PSF)	CY
1.550	-8.440	-.00122	.00152	.21021	.02917	.00872	479.24956	.00902
1.550	-6.317	-.00209	.00201	.15172	.01841	-.00381	481.67732	.01076
1.550	-4.191	-.00256	.00181	.09231	.00683	-.01164	482.74213	.01090
1.550	-2.074	-.00348	.00179	.03715	-.00288	-.01996	483.89213	.01205
1.550	.014	-.00480	.00206	-.00946	-.01241	-.00381	482.69954	.01434
1.550	2.119	-.00581	.00177	-.05430	-.02207	-.02748	479.67548	.01533
1.550	4.224	-.00522	.00146	-.09963	-.02653	-.03227	475.67179	.01366
	GRADIENT	-.00036	-.00003	-.02261	-.00409	-.00232	-.87298	.00042

DATE 29 OCT 76

TABULATED SOURCE DATA - 1A94A.

PAGE 68

LARC UPWT 1152(1A94A) OTSAT130

(SJK024) (18 JUN 76)

REFERENCE DATA

SREF = 2690.0000 SQ.FT XMRP = 976.0000 IN. XT
 LREF = 1290.3000 INCHES YMRP = 0000 IN. YT
 BREF = 1290.3000 INCHES ZMRP = 400 0000 IN. ZT
 SCALE = .0100

PARAMETRIC DATA

BETA = .000 ELV-LI = 10.000
 ELV-LO = 2.000 ELV-RI = 10.000
 ELV-RO = 2.000

RUN NO. 43/ 0 RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	CYN	CBL	CLMU	CHEI	CHEO	Q(PSF)	CY
2.000	-7.719	-.00064	.00153	.18409	-.02057	-.00448	475.08521	.00899
2.000	-5.604	-.00147	.00181	.13530	-.02780	-.01041	472.83073	.00995
2.000	-3.507	-.00125	.00191	.09212	-.03475	-.01644	473.58223	.00895
2.000	-1.380	-.00254	.00210	.04923	-.04478	-.02502	474.08322	.01178
2.000	.693	-.00337	.00216	.00822	-.05622	-.03171	474.79892	.01320
2.000	2.781	-.00384	.00185	-.03428	-.06339	-.03802	475.22835	.01325
2.000	4.892	-.00454	.00145	-.08213	-.06402	-.04297	475.12099	.01414
	GRADIENT	-.00038	-.00006	-.02061	-.00368	-.00315	.20137	.00057

LARC UPWT 1152(1A94A) OTSAT130

(SJK025) (18 JUN 76)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT
 LREF = 1290.3000 INCHES YMRP = .0000 IN. YT
 BREF = 1290.3000 INCHES ZMRP = 400.0000 IN. ZT
 SCALE = .0100

PARAMETRIC DATA

BETA = 4.000 ELV-LI = 10.000
 ELV-LO = 2.000 ELV-RI = 10.000
 ELV-RO = 2.000

RUN NO. 41/ 0 RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	CYN	CBL	CLMU	CHEI	CHEO	Q(PSF)	CY
1.550	-8.428	.07677	-.01854	.21471	.03159	.01875	478.61067	-.17857
1.550	-6.322	.07075	-.02061	.15233	.02399	.00850	478.61067	-.16852
1.550	-4.161	.06856	-.02131	.09433	.01805	.00076	478.69585	-.16149
1.550	-2.074	.06936	-.02279	.03849	.01045	-.00598	478.61067	-.16013
1.550	.032	.07084	-.02433	-.01103	.00249	-.01212	478.56808	-.15926
1.550	2.134	.07453	-.02659	-.05885	-.00437	-.01864	478.65326	-.16490
1.550	4.246	.07095	-.02727	-.10365	-.01178	-.02447	478.69585	-.15975
	GRADIENT	.00047	-.00075	-.02346	-.00354	-.00300	.00205	-.00006

DATE 29 OCT 76

TABULATED SOURCE DATA - 1A94A.

PAGE 69

LARC UPWT 1152(1A94A) OTSAT130

(SJK025) (18 JUN 76)

REFERENCE DATA

SREF = 2690.0000 SQ FT. XMRP = 976.0000 IN. XT
 LREF = 1290.3000 INCHES YMRP = 0000 IN. YT
 BREF = 1290.3000 INCHES ZMRP = 400 0000 IN. ZT
 SCALE = 0100

PARAMETRIC DATA

BETA = 4 000 ELV-L1 = 10.000
 ELV-LO = 2 000 ELV-R1 = 10.000
 ELV-RO = 2.000

RUN NO. 46/ 0 RN/L = 2 00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	CYN	CBL	CLMU	CHEI	CHEO	Q(PSF)	CY
2.000	-7.716	.07301	-.01782	.18582	- .00282	-.00108	474.58421	-.17112
2.000	-5.599	.06931	-.01952	.13372	- .00993	-.00573	474.58421	-.16421
2.000	-3.490	.07073	-.02141	.08788	- .01740	-.01246	474.58421	-.16191
2 000	-1.409	.07352	- .02198	.04593	- .02402	-.01934	474.62000	-.16238
2 000	.706	.07410	- .02255	.00271	- .03076	- .02577	474.54843	- .15939
2.000	2.784	.07462	- .02263	-.04070	- .03800	- .03204	474.47686	- .15788
2.000	4.873	.07124	- .02185	-.08654	- .04216	-.03482	474.54843	-.15249
	GRADIENT	00010	-.00007	-.02082	- .00304	- .00275	- .01028	.00112

LARC UPWT 1152(1A94A) OTSAT130

(SJK026) (18 JUN 76)

REFERENCE DATA

SREF = 2690 0000 SQ FT. XMRP = 976.0000 IN XT
 LREF = 1290.3000 INCHES YMRP = .0000 IN. YT
 BREF = 1290.3000 INCHES ZMRP = 400 0000 IN. ZT
 SCALE = .0100

PARAMETRIC DATA

BETA = 6 000 ELV-L1 = 10.000
 ELV-LO = 2.000 ELV-R1 = 10.000
 ELV-RO = 2.000

RUN NO. 42/ 0 RN/L = 2 00 GRADIENT INTERVAL = -5.00/ 5 00

MACH	ALPHA	CYN	CBL	CLMU	CHEI	CHEO	Q(PSF)	CY
1.550	-8.434	.12121	-.03148	.21236	.03396	.02262	478.69585	- .28083
1 550	-6.320	.11236	-.03329	.15008	.02589	.01207	478.65326	- .26494
1 550	-4.173	.10924	-.03513	.09360	.01959	.00569	478.78104	-.25853
1.550	-2.069	.10934	-.03731	.03621	.01211	.00106	478.78104	-.25579
1 550	.037	.11154	-.03947	- .01409	.00617	- .00498	478.82363	- .25311
1.550	2.126	.11273	- .04139	- .06125	.00000	- .01266	478.73845	-.25516
1.550	4.232	.11080	- .04294	-.10581	-.00559	- .01986	478.90882	-.25174
	GRADIENT	00031	- .00094	- .02363	-.00297	- .00309	.01015	.00068

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DATE 29 OCT 76

TABULATED SOURCE DATA - 1A94A.

PAGE 70

LARC UPWT 1152(1A94A) OTSAT130

(SJK026) (18 JUN 76)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN XT
 LREF = 1290.3000 INCHES YMRP = 0000 IN YT
 BREF = 1290.3000 INCHES ZMRP = 400.0000 IN ZT
 SCALE = .0100

PARAMETRIC DATA

BETA = 6.000 ELV-LI = 10.000
 ELV-LO = 2.000 ELV-RI = 10.000
 ELV-RO = 2.000

RUN NO. 47/ 0 RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	CYN	CBL	CLMU	CHEI	CHEO	Q(PSF)	CY
2.000	-7.704	.11286	-.02991	.18649	.00539	.00276	474.54843	-.26864
2.000	-5.639	.10777	-.03108	.13576	-.00172	-.00286	474.51264	-.25882
2.000	-3.490	.10820	-.03322	.08537	-.00846	-.00929	474.51264	-.25349
2.000	-1.401	.11118	-.03424	.04081	-.01483	-.01594	474.44107	-.25286
2.000	.691	.11257	-.03512	-.00344	-.02108	-.02322	474.51264	-.24888
2.000	2.799	.11428	-.03576	-.04336	-.02672	-.02902	474.47686	-.24838
2.000	4.894	.11243	-.03591	-.08913	-.03114	-.03127	474.44107	-.24513
	GRADIENT	.00055	-.00033	-.02066	-.00273	-.00272	-.00512	.00101

LARC UPWT 1152(1A94A) OTSAT130

(SJK027) (18 JUN 76)

REFERENCE DATA

SREF = 2690.0000 SQ FT. XMRP = 976.0000 IN. XT
 LREF = 1290.3000 INCHES YMRP = 0000 IN. YT
 BREF = 1290.3000 INCHES ZMRP = 400.0000 IN. ZT
 SCALE = .0100

PARAMETRIC DATA

BETA = -6.000 ELV-LI = 10.000
 ELV-LO = -10.000 ELV-RI = 10.000
 ELV-RO = -10.000

RUN NO. 49/ 0 RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	CYN	CBL	CLMU	CHEI	CHEO	Q(PSF)	CY
1.550	-8.449	-.13449	.03737	.22715	.01805	.04828	478.65326	.31997
1.550	-6.335	-.12463	.03941	.16033	.00463	.03812	478.52548	.30266
1.550	-4.227	-.12374	.04160	.10400	-.00887	.02747	478.86622	.29735
1.550	-2.090	-.12438	.04433	.04740	-.02160	.01926	479.24956	.29552
1.550	.029	-.12765	.04685	-.00269	-.03287	.01463	479.46252	.29744
1.550	2.126	-.12837	.04802	-.05056	-.04330	.01114	479.54770	.29662
1.550	4.227	-.13103	.05018	-.09423	-.05154	.00712	479.59029	.29981
	GRADIENT	-.00088	.00099	-.02341	-.00507	-.00231	.08279	.00028

DATE 29 OCT 76

TABULATED SOURCE DATA - 1A94A.

PAGE 71

LARC UPWT 1152(1A94A) OTSAT130

(SJK027) (18 JUN 76)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT
 LREF = 1290.3000 INCHES YMRP = 0000 IN YT
 BREF = 1290.3000 INCHES ZMRP = 400.0000 IN ZT
 SCALE = .0100

PARAMETRIC DATA

BETA = -6.000 ELV-LI = 10.000
 ELV-LO = -10.000 ELV-RI = 10.000
 ELV-RO = -10.000

RUN NO. 54/ 0 RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	CYN	CBL	CLMU	CHEI	CHEO	Q(PSF)	CY
2.000	-7.738	-.12214	.03493	.20391	-.04116	.03084	474.79892	.30109
2.000	-5.645	-.11704	.03575	.15058	-.05284	.02399	475.47884	.29143
2.000	-3.516	-.11763	.03811	.09907	-.06371	.01803	475.62199	.28747
2.000	-1.422	-.12031	.03928	.05471	-.07299	.01222	475.65777	.28533
2.000	.681	-.12506	.04074	.01196	-.08144	.00672	475.58620	.28902
2.000	2.727	-.12776	.04163	-.02893	-.08987	.00099	475.62199	.28886
2.000	4.860	-.12580	.04169	-.07034	-.09158	-.00341	474.40529	.28542
	GRADIENT	-.00114	.00045	-.02021	-.00347	-.00259	-.11853	-.00003

LARC UPWT 1152(1A94A) OTSAT130

(SJK028) (18 JUN 76)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT
 LREF = 1290.3000 INCHES YMRP = 0000 IN YT
 BREF = 1290.3000 INCHES ZMRP = 400.0000 IN. ZT
 SCALE = 0100

PARAMETRIC DATA

BETA = -4.000 ELV-LI = 10.000
 ELV-LO = -10.000 ELV-RI = 10.000
 ELV-RO = -10.000

RUN NO. 50/ 0 RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	CYN	CBL	CLMU	CHEI	CHEO	Q(PSF)	CY
1.550	-8.464	-.08711	.02352	.23112	.02158	.04973	479.24956	.20898
1.550	-6.335	-.08200	.02601	.16667	.00795	.04042	479.12178	.20186
1.550	-4.208	-.07935	.02721	.10717	-.00522	.02912	479.07919	.19361
1.550	-2.096	-.08079	.02883	.05167	-.01894	.02101	479.03659	.19309
1.550	.028	-.08297	.03043	.00051	-.02926	.01623	478.95141	.19417
1.550	2.118	-.08595	.03155	-.04695	-.03946	.01214	478.95141	.19597
1.550	4.238	-.08547	.03306	-.09182	-.04711	.00827	478.99400	.19582
	GRADIENT	-.00082	.00068	-.02353	-.00494	-.00240	-.01212	.00035

DATE 29 OCT 76

TABULATED SOURCE DATA - 1A94A.

PAGE 72

LARC UPWT 1152(1A94A) OTSAT130

(SJK028) (18 JUN 76)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT
 LREF = 1290.3000 INCHES YMRP = .0000 IN. YT
 BREF = 1290.3000 INCHES ZMRP = 400.0000 IN. ZT
 SCALE = .0100

PARAMETRIC DATA

BETA = -4.000 ELV-LI = 10.000
 ELV-LO = -10.000 ELV-RI = 10.000
 ELV-RO = -10.000

RUN NO. 55/ 0 RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	CYN	CBL	CLMU	CHEI	CHEO	Q(PSF)	CY
2.000	-7.729	- .08256	.02321	.20595	-.03617	.03187	474.29793	.20273
2.000	-5.640	- .07704	.02435	.15231	-.04621	.02527	474.44107	.19342
2.000	-3.496	- .07846	.02659	.10007	- .05726	.01892	474.33372	.19147
2.000	-1.415	- .08230	.02732	.05681	- .06756	.01195	474.33372	.19380
2.000	.701	- .08454	.02793	.01430	-.07663	.00666	474.36950	.19455
2.000	2.791	- .08522	.02774	-.02638	- .08472	.00100	474.33372	.19151
2.000	4.860	- .08342	.02740	-.06978	- .08765	-.00387	474.44107	.19008
	GRADIENT	- .00061	.00010	-.02022	-.00373	-.00270	.01025	- .00024

LARC UPWT 1152(1A94A) OTSAT130

(SJK029) (18 JUN 76)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT
 LREF = 1290.3000 INCHES YMRP = .0000 IN. YT
 BREF = 1290.3000 INCHES ZMRP = 400.0000 IN. ZT
 SCALE = .0100

PARAMETRIC DATA

BETA = .000 ELV-LI = 10.000
 ELV-LO = -10.000 ELV-RI = 10.000
 ELV-RO = -10.000

RUN NO. 48/ 0 RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	CYN	CBL	CLMU	CHEI	CHEO	Q(PSF)	CY
1.550	-8.441	- .00277	.00215	.22512	.03118	.05949	479.46252	.01195
1.550	-6.330	- .00357	.00255	.16715	.01901	.04497	478.31252	.01238
1.550	-4.192	- .00472	.00265	.10772	.00785	.03503	478.14215	.01387
1.550	-2.084	- .00512	.00241	.05214	-.00170	.02555	479.20696	.01368
1.550	.011	- .00625	.00242	.00253	-.01320	.02051	480.14400	.01511
1.550	2.138	- .00792	.00262	-.04179	-.02241	.01612	480.18659	.01731
1.550	4.240	- .00745	.00201	-.08704	-.02702	.01030	479.93103	.01696
	GRADIENT	- .00039	-.00005	-.02293	-.00429	-.00279	.21598	.00047

DATE 29 OCT 76

TABULATED SOURCE DATA - 1A94A.

PAGE 73

LARC UPWT 1152(1A94A) OTSAT130

(SJK029) (18 JUN 76)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976 0000 IN. XT
 LREF = 1290.3000 INCHES YMRP = .0000 IN. YT
 BREF = 1290.3000 INCHES ZMRP = 400.0000 IN. ZT
 SCALE = .0100

PARAMETRIC DATA

BETA = .000 ELV-LI = 10.000
 ELV-LO = -10.000 ELV-RI = 10.000
 ELV-RO = -10.000

RUN NO. 53/ 0 RN/L = 2.00 GRADIENT INTERVAL = -5 00/ 5.00

MACH	ALPHA	CYN	CBL	CLMU	CHEI	CHEO	Q(PSF)	CY
2.000	-7 734	- .00235	.00214	.20391	-.02257	.03094	476.73133	.01237
2 000	-5 631	- .00238	.00216	.15136	-.02930	.02593	476.33769	.01113
2.000	-3 506	-.00278	.00266	.10479	-.03698	.01866	474.97785	.01270
2 000	-1.397	-.00414	.00287	.06246	-.04648	.01019	474 26215	.01526
2 000	.686	-.00524	.00288	.02009	-.05715	.00414	474 22636	.01640
2.000	2 790	-.00596	.00248	-.02246	-.06485	-.00201	474 44107	.01644
2.000	4.876	-.00612	.00209	-.06808	-.06635	-.00689	474 22636	.01681
	GRADIENT	-.00041	- .00007	-.02056	-.00368	-.00302	- .06326	.00045

LARC UPWT 1152(1A94A) OTSAT130

(SJK030) (18 JUN 76)

REFERENCE DATA

SREF = 2690.0000 SQ FT. XMRP = 976.0000 IN. XT
 LREF = 1290.3000 INCHES YMRP = .0000 IN. YT
 BREF = 1290.3000 INCHES ZMRP = 400 0000 IN. ZT
 SCALE = .0100

PARAMETRIC DATA

BETA = 4.000 ELV-LI = 10.000
 ELV-LO = -10.000 ELV-RI = 10.000
 ELV-RO = -10.000

RUN NO. 51/ 0 RN/L = 2.00 GRADIENT INTERVAL = -5 00/ 5.00

MACH	ALPHA	CYN	CBL	CLMU	CHEI	CHEO	Q(PSF)	CY
1.550	-8.445	.07530	-.01795	.23233	.03347	.07003	478.86622	-.17723
1.550	-6.315	.06856	-.01993	.16809	.02504	.05713	478.86622	-.16528
1.550	-4 167	.06583	-.02059	.10982	.01804	.04864	478 82363	-.15893
1.550	-2.092	.06868	-.02280	.05359	.01068	.04083	478.78104	-.16183
1 550	.033	.06945	-.02429	.00311	.00261	.03194	478.86622	-.15987
1.550	2.134	.07160	-.02586	-.04468	-.00462	.02253	478.86622	-.16148
1.550	4.214	.07008	-.02716	-.08917	-.01166	.01571	478.82363	-.15981
	GRADIENT	.00054	- .00077	-.02364	-.00356	-.00401	.00409	-.00007

DATE 29 OCT 76

TABULATED SOURCE DATA - 1A94A.

PAGE 74

LARC UPWT 1152(1A94A) OTSAT130

(SJK030) (18 JUN 76)

REFERENCE DATA

PARAMETRIC DATA

SREF = 2690.0000 SQ.FT XMRP = 976 0000 IN. XT
 LREF = 1290.3000 INCHES YMRP = .0000 IN. YT
 BREF = 1290.3000 INCHES ZMRP = 400 0000 IN. ZT
 SCALE = .0100

BETA = 4.000 ELV-LI = 10.000
 ELV-LO = -10.000 ELV-RI = 10.000
 ELV-RO = -10.000

RUN NO 56/ 0 RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	CYN	CBL	CLMU	CHEI	CHEO	Q(PSF)	CY
2.000	-7 713	.07377	- 01738	.20186	-.00429	.03539	474 26215	-.17264
2.000	-5 608	.06765	- 01856	.14779	-.01091	.02773	474 26215	-.16257
2.000	-3 516	.06923	-.02055	.09972	-.01840	.02015	474 19057	-.16084
2.000	-1.421	.07232	- 02151	.05781	-.02477	.01272	474 19057	-.16098
2.000	.685	.07286	- 02196	.01587	-.03054	.00736	474 11900	-.15801
2 000	2.780	.07156	- 02178	-.02831	-.03852	.00153	474 08322	-.15352
2.000	4 861	.06998	-.02139	-.07266	-.04342	-.00132	474 19057	-.15106
	GRADIENT	.00004	- 00009	- 02056	- 00304	-.00258	- 00515	.00129

LARC UPWT 1152(1A94A) OTSAT130

(SJK031) (18 JUN 76)

REFERENCE DATA

PARAMETRIC DATA

SREF = 2690.0000 SQ.FT XMRP = 976.0000 IN. XT
 LREF = 1290.3000 INCHES YMRP = .0000 IN. YT
 BREF = 1290.3000 INCHES ZMRP = 400.0000 IN. ZT
 SCALE = 0100

BETA = 6.000 ELV-LI = 10.000
 ELV-LO = -10.000 ELV-RI = 10.000
 ELV-RO = -10.000

RUN NO 52/ 0 RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	CYN	CBL	CLMU	CHEI	CHEO	Q(PSF)	CY
1.550	-8.441	.11945	-.03082	.23153	.03633	.07521	478.73845	-.27875
1 550	-6.334	.10977	-.03261	.16851	.02695	.06330	478.73845	-.26237
1.550	-4 212	.10608	-.03432	.11035	.01947	.05532	478.82363	-.25462
1.550	-2 095	.10487	-.03598	.05327	.01187	.04818	478 86622	-.24947
1 550	.014	.10930	- 03904	.00147	.00534	.04142	478 99400	-.25185
1.550	2.121	.11035	- 04087	-.04757	-.00036	.02989	478.95141	-.25305
1.550	4.222	.10895	-.04240	-.09381	-.00559	.01912	478.95141	-.25079
	GRADIENT	.00053	-.00100	- 02415	-.00296	-.00430	.01617	.00019

DATE 29 OCT 76

TABULATED SOURCE DATA - 1A94A.

PAGE 75

LARC UPWT 1152(1A94A) OTSAT130

(SJK031) (18 JUN 76)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT
 LREF = 1290.3000 INCHES YMRP = 0000 IN. YT
 BREF = 1290.3000 INCHES ZMRP = 400.0000 IN. ZT
 SCALE = .0100

PARAMETRIC DATA

BETA = 6.000 ELV-LI = 10.000
 ELV-LO = -10.000 ELV-RI = 10.000
 ELV-RO = -10.000

RUN NO. 57/ 0 RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	CYN	CBL	CLMU	CHEI	CHEO	Q(PSF)	CY
2.000	-7.718	.11177	-.02915	.20203	.00396	.03839	474.15479	-.26704
2.000	-5.647	.10462	-.02963	.14916	-.00331	.02974	474.08322	-.25375
2.000	-3.520	.10554	-.03205	.09781	-.01018	.02283	474.19057	-.25001
2.000	-1.396	.10978	-.03364	.05011	-.01656	.01617	474.11900	-.25092
2.000	.681	.11068	-.03450	.00935	-.02183	.00988	474.26215	-.24697
2.000	2.790	.11125	-.03494	-.03142	-.02698	.00437	474.15479	-.24434
2.000	4.878	.10959	-.03494	-.07546	-.03202	.00123	474.08322	-.24139
	GRADIENT	.00046	-.00034	-.02040	-.00258	-.00262	-.00855	.00113

LARC UPWT 1152(1A94A) OTSAT130

(SJK032) (18 JUN 76)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT
 LREF = 1290.3000 INCHES YMRP = 0000 IN. YT
 BREF = 1290.3000 INCHES ZMRP = 400.0000 IN. ZT
 SCALE = .0100

PARAMETRIC DATA

BETA = -6.000 ELV-LI = 12.000
 ELV-LO = -10.000 ELV-RI = 12.000
 ELV-RO = -10.000

RUN NO. 59/ 0 RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	CYN	CBL	CLMU	CHEI	CHEO	Q(PSF)	CY
1.550	-8.449	-.13434	.03739	.22628	.00889	.04738	479.29215	.31982
1.550	-6.339	-.12554	.03967	.15844	-.00363	.03743	480.48473	.30463
1.550	-4.197	-.12363	.04168	.10181	-.01681	.02712	480.91066	.29744
1.550	-2.103	-.12295	.04383	.04710	-.02832	.01837	480.56992	.29256
1.550	.020	-.12604	.04626	-.00310	-.03850	.01369	480.31437	.29424
1.550	2.128	-.12785	.04784	-.05094	-.04828	.01076	479.41993	.29507
1.550	4.219	-.13125	.05009	-.09504	-.05668	.00705	479.16437	.30007
	GRADIENT	-.00096	.00099	-.02335	-.00473	-.00227	-.22043	.00037

DATE 29 OCT 76

TABULATED SOURCE DATA - 1A94A.

PAGE 76

LARC UPWT 1152(1A94A) OTSAT130

(SJK033) (18 JUN 76)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT
 LREF = 1290.3000 INCHES YMRP = .0000 IN. YT
 BREF = 1290.3000 INCHES ZMRP = 400.0000 IN. ZT
 SCALE = .0100

PARAMETRIC DATA

BETA = -4.000 ELV-LI = 12.000
 ELV-LO = -10.000 ELV-RI = 12.000
 ELV-RO = -10.000

RUN NO. 60/ 0 RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	CYN	CBL	CLMU	CHEI	CHEO	Q(PSF)	CY
1.550	-8.456	-.09057	.02476	.22940	.01247	.04888	478.69585	.21675
1.550	-6.330	-.08108	.02568	.16598	-.00012	.03966	479.07919	.19889
1.550	-4.190	-.07960	.02736	.10609	-.01287	.02844	479.12178	.19470
1.550	-2.093	-.08109	.02896	.05092	-.02573	.01964	479.20696	.19439
1.550	.042	-.08296	.03049	-.00097	-.03520	.01501	479.20696	.19436
1.550	2.129	-.08665	.03203	-.04800	-.04504	.01160	479.07919	.19781
1.550	4.240	-.08649	.03335	-.09222	-.05267	.00789	479.20696	.19815
	GRADIENT	-.00092	.00071	-.02351	-.00469	-.00233	.00203	.00049

LARC UPWT 1152(1A94A) OTSAT130

(SJK034) (18 JUN 76)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT
 LREF = 1290.3000 INCHES YMRP = .0000 IN. YT
 BREF = 1290.3000 INCHES ZMRP = 400.0000 IN. ZT
 SCALE = .0100

PARAMETRIC DATA

BETA = .000 ELV-LI = 12.000
 ELV-LO = -10.000 ELV-RI = 12.000
 ELV-RO = -10.000

RUN NO. 58/ 0 RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	CYN	CBL	CLMU	CHEI	CHEO	Q(PSF)	CY
1.550	-8.424	-.00381	.00234	.22474	.02076	.05846	479.16437	.01410
1.550	-6.320	-.00355	.00261	.16332	.00901	.04349	479.50511	.01264
1.550	-4.200	-.00431	.00245	.10539	-.00146	.03312	479.37733	.01275
1.550	-2.090	-.00571	.00261	.05041	-.01056	.02472	479.20696	.01531
1.550	.042	-.00626	.00240	-.00001	-.01980	.01981	478.69585	.01489
1.550	2.126	-.00719	.00221	-.04294	-.02833	.01527	478.35512	.01606
1.550	4.219	-.00760	.00204	-.08858	-.03235	.00988	478.14215	.01729
	GRADIENT	-.00038	-.00006	-.02286	-.00378	-.00266	-.15784	.00047

DATE 29 OCT 76

TABULATED SOURCE DATA - 1A94A.

PAGE 77

LARC UPWT 1152(1A94A) OTSAT130

(SJK035) (18 JUN 76)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT
 LREF = 1290.3000 INCHES YMRP = .0000 IN. YT
 BREF = 1290.3000 INCHES ZMRP = 400.0000 IN. ZT
 SCALE = .0100

PARAMETRIC DATA

BETA = 4.000 ELV-LI = 12.000
 ELV-LO = -10.000 ELV-RI = 12.000
 ELV-RO = -10.000

RUN NO	61/ 0	RN/L = 2.00	GRADIENT	INTERVAL = -5.00/ 5.00
MACH	ALPHA	CYN	CBL	CLMU
1.550	-8.451	.07431	- .01791	.22990
1.550	-6.326	.06831	- .01969	.16769
1.550	-4.166	.06667	- .02070	.10789
1.550	-2.077	.06902	- .02295	.05273
1.550	.019	.07103	- .02484	.00099
1.550	2.122	.07203	- .02597	.04591
1.550	4.228	.07031	- .02716	.09076
GRADIENT		.00049	- .00076	-.02363

LARC UPWT 1152(1A94A) OTSAT130

(SJK036) (18 JUN 76)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT
 LREF = 1290.3000 INCHES YMRP = .0000 IN. YT
 BREF = 1290.3000 INCHES ZMRP = 400.0000 IN. ZT
 SCALE = .0100

PARAMETRIC DATA

BETA = 6.000 ELV-LI = 12.000
 ELV-LO = -10.000 ELV-RI = 12.000
 ELV-RO = -10.000

RUN NO.	62/ 0	RN/L = 2.00	GRADIENT	INTERVAL = -5.00/ 5.00
MACH	ALPHA	CYN	CBL	CLMU
1.550	-8.440	.11906	- .03086	.23031
1.550	-6.340	.11017	- .03268	.16613
1.550	-4.174	.10646	- .03423	.10846
1.550	-2.095	.10667	- .03648	.05306
1.550	.013	.10942	- .03899	.00179
1.550	2.119	.11088	- .04090	.04776
1.550	4.221	.10942	- .04239	.09470
GRADIENT		.00048	- .00099	-.02414

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DATE 29 OCT 76

TABULATED SOURCE DATA - 1A94A.

PAGE 78

LARC UPWT 1152(1A94A) OTSAT130

(SJK037) (18 JUN 76)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976 0000 IN. XT
 LREF = 1290.3000 INCHES YMRP = .0000 IN. YT
 BREF = 1290.3000 INCHES ZMRP = 400.0000 IN. ZT
 SCALE = .0100

PARAMETRIC DATA

BETA = -6.000 ELV-LI = 12.000
 ELV-LO = -5.000 ELV-RI = 12.000
 ELV-RO = -5.000

RUN NO. 64/ 0 RN/L = 2.00 GRADIENT INTERVAL = -5 00/ 5 00

MACH	ALPHA	CYN	CBL	CLMU	CHE1	CHE0	Q(PSF)	CY
1.550	-8.456	-.13416	.03738	.22019	.00915	.02402	478.05697	.32041
1.550	-6.341	-.12529	.03956	.15318	-.00328	.01611	478.01438	.30432
1.550	-4.221	-.12362	.04183	.09436	-.01655	.00768	477.97178	.29682
1.550	-2.091	-.12395	.04417	.04002	-.02847	.00023	478.01438	.29438
1.550	.017	-.12594	.04626	-.00961	-.03845	-.00315	477.97178	.29379
1.550	2.109	-.12768	.04783	-.05502	-.04831	-.00568	477.97178	.29486
1.550	4.228	-.12998	.04995	-.10125	-.05657	-.01022	478.05697	.29724
	GRADIENT	-.00078	.00094	-.02305	-.00473	-.00198	.00607	.00006

RUN NO. 69/ 0 RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	CYN	CBL	CLMU	CHE1	CHE0	Q(PSF)	CY
2.000	-7.762	-.12223	.03445	.20280	-.04215	.01631	474.62000	.30002
2.000	-5.646	-.11616	.03542	.14614	-.05430	.00995	474.47686	.29013
2.000	-3.536	-.11535	.03740	.09608	-.06499	.00444	474.26215	.28283
2.000	-1.413	-.12035	.03950	.04762	-.07493	-.00147	474.22636	.28678
2.000	.679	-.12270	.04033	.00558	-.08377	-.00782	474.15479	.28417
2.000	2.588	-.12563	.04125	-.03152	-.09089	-.01402	474.15479	.28483
2.000	4.860	-.12420	.04142	-.07630	-.09411	-.01923	473.97586	.28241
	GRADIENT	-.00110	.00047	-.02039	-.00356	-.00288	-.03122	-.00014

DATE 29 OCT 76

TABULATED SOURCE DATA - 1A94A.

PAGE 79

LARC UPWT 1152(1A94A) OTSAT130

(SJK038) (18 JUN 76)

REFERENCE DATA

SREF = 2690.0000 SQ FT. XMRP = 976 0000 IN XT
 LREF = 1290.3000 INCHES YMRP = 0000 IN YT
 BREF = 1290.3000 INCHES ZMRP = 400.0000 IN. ZT
 SCALE = .0100

PARAMETRIC DATA

BETA = -4.000 ELV-LI = 12.000
 ELV-LO = -5.000 ELV-RI = 12.000
 ELV-RO = -5.000

RUN NO 65/ 0 RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00								
MACH	ALPHA	CYN	CBL	CLMU	CHEI	CHEO	Q(PSF)	CY
1.550	-8.449	-.08677	.02346	.22039	.01213	.02669	477 88660	.20909
1.550	-6.355	-.08160	.02584	.15914	.00024	.01908	477 97178	.20014
1.550	-4.210	-.08035	.02762	.09882	-.01290	.00996	478 05697	.19562
1.550	-2.087	-.08049	.02874	.04439	-.02531	.00251	477 97178	.19243
1.550	.026	-.08209	.03007	-.00823	-.03516	-.00123	478 05697	.19240
1.550	2.111	-.08672	.03194	-.05298	-.04453	-.00445	478 05697	.19767
1.550	4.219	-.08706	.03381	-.09817	-.05231	-.00899	478 05697	.19997
	GRADIENT	-.00093	.00074	-.02334	-.00466	-.00213	00403	.00066

RUN NO 70/ 0 RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00								
MACH	ALPHA	CYN	CBL	CLMU	CHEI	CHEO	Q(PSF)	CY
2.000	-7.733	-.08294	.02301	.20314	-.03841	.01725	473.90429	.20482
2.000	-5.631	-.07775	.02457	.14415	-.04838	.01071	474.79892	.19545
2.000	-3.517	-.07894	.02669	.09382	-.05903	.00451	474 90628	.19316
2.000	-1.405	-.08355	.02767	.04944	-.07004	-.00147	474 97785	.19679
2.000	.674	-.08499	.02804	.00804	-.07862	-.00727	474 90628	.19596
2.000	2.783	-.08618	.02803	-.03375	-.08777	-.01384	475 08521	.19393
2.000	4.891	-.08396	.02774	-.07643	-.09012	-.01940	474.97785	.19035
	GRADIENT	-.00060	.00012	-.02017	-.00380	-.00287	01194	-.00040

DATE 29 OCT 76

TABULATED SOURCE DATA - 1A94A.

PAGE 80

LARC UPWT 1152(1A94A) OTSAT130

(SJK039) (18 JUN 76)

REFERENCE DATA

SREF = 2690.0000 SQ FT. XMRP = 976.0000 IN. XT
 LREF = 1290.3000 INCHES YMRP = 0000 IN. YT
 BREF = 1290.3000 INCHES ZMRP = 400.0000 IN. ZT
 SCALE = .0100

PARAMETRIC DATA

BETA = .000 ELV-LI = 12.000
 ELV-LO = -5.000 ELV-RI = 12.000
 ELV-RO = -5.000

RUN NO.	63/ 0	RN/L = 2.00	GRADIENT INTERVAL = -5.00/ 5.00					
MACH	ALPHA	CYN	CBL	CLMU	CHEI	CHEO	Q(PSF)	CY
1.550	-8.430	-.00366	.00225	.21712	.01996	.03463	478.44030	.01358
1.550	-6.290	-.00442	.00273	.15779	.00852	.02019	480.39955	.01448
1.550	-4.183	-.00439	.00230	.10100	-.00146	.01334	479.24956	.01303
1.550	-2.078	-.00492	.00221	.04520	-.01008	.00683	478.86622	.01343
1.550	.024	-.00625	.00236	-.00425	-.01980	.00273	478.69585	.01544
1.550	2.121	-.00739	.00227	-.04793	-.02795	-.00138	478.61067	.01716
1.550	4.230	-.00693	.00169	-.09251	-.03196	-.00637	478.52548	.01593
	GRADIENT	-.00036	-.00006	-.02284	-.00375	-.00227	-.08104	.00045

RUN NO.	66/ 0	RN/L = 2.00	GRADIENT INTERVAL = -5.00/ 5.00					
MACH	ALPHA	CYN	CBL	CLMU	CHEI	CHEO	Q(PSF)	CY
2.000	-7.742	-.00185	.00211	.20092	-.02561	.01830	474.54843	.01158
2.000	-5.646	-.00199	.00222	.14840	-.03227	.01234	473.94008	.01118
2.000	-3.494	-.00199	.00247	.10081	-.03942	.00598	473.54644	.01077
2.000	-1.421	-.00212	.00233	.05925	-.04735	-.00248	472.86652	.01176
2.000	.679	-.00341	.00253	.01459	-.05873	-.01049	472.36553	.01347
2.000	2.758	-.00487	.00231	-.02668	-.06583	-.01624	472.65181	.01543
2.000	4.876	-.00489	.00178	-.07394	-.06764	-.02101	475.47884	.01459
	GRADIENT	-.00041	-.00007	-.02082	-.00358	-.00324	.17547	.00054

DATE 29 OCT 76

TABULATED SOURCE DATA - 1A94A.

PAGE 81

LARC UPWT 1152(1A94A) OTSAT130

(SJK040) (18 JUN 76)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT
 LREF = 1290.3000 INCHES YMRP = 0000 IN. YT
 BREF = 1290.3000 INCHES ZMRP = 400.0000 IN. ZT
 SCALE = .0100

PARAMETRIC DATA

BETA = 4.000 ELV-LI = 12.000
 ELV-LO = -5.000 ELV-RI = 12.000
 ELV-RO = -5.000

RUN NO. 66/ 0 RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	CYN	CBL	CLMU	CHE1	CHEO	Q(PSF)	CY
1.550	-8.430	.07441	-.01760	.22247	.02446	.04813	478.61067	-.17518
1.550	-6.319	.06739	-.01937	.16012	.01664	.03433	478.31252	-.16366
1.550	-4.190	.06683	-.02070	.10150	.01034	.02568	478.22734	-.16047
1.550	-2.076	.06951	-.02298	.04502	.00392	.01983	478.26993	-.16194
1.550	.024	.07008	-.02430	-.00684	-.00401	.01367	478.26993	-.15916
1.550	2.122	.07137	-.02548	-.05250	-.00949	.00714	478.18475	-.15923
1.550	4.216	.06882	-.02653	-.09594	-.01654	.00053	478.18475	-.15653
	GRADIENT	.00028	-.00067	-.02344	-.00320	-.00300	-.00810	.00050

RUN NO. 71/ 0 RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	CYN	CBL	CLMU	CHE1	CHEO	Q(PSF)	CY
2.000	-7.748	.07541	-.01778	.19787	-.00759	.02111	474.94207	-.17594
2.000	-5.611	.06873	-.01903	.14154	-.01408	.01530	474.87049	-.16396
2.000	-3.496	.06910	-.02066	.09327	-.02095	.00811	474.76314	-.16009
2.000	-1.401	.07204	-.02157	.05001	-.02694	.00099	474.90628	-.16020
2.000	.683	.07386	-.02244	.00757	-.03258	-.00526	474.76314	-.15909
2.000	2.786	.07370	-.02241	-.03548	-.03894	-.01106	474.90628	-.15729
2.000	4.863	.07043	-.02171	-.07921	-.04397	-.01477	474.87049	-.15137
	GRADIENT	.00021	-.00014	-.02059	-.00278	-.00277	.01029	.00097

DATE 29 OCT 76

TABULATED SOURCE DATA - 1A94A.

PAGE 82

LARC UPWT 1152(1A94A) OTSAT130

(SJK041) (18 JUN 76)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976 0000 IN. XT
 LREF = 1290.3000 INCHES YMRP = 0000 IN. YT
 BREF = 1290.3000 INCHES ZMRP = 400 0000 IN. ZT
 SCALE = .0100

PARAMETRIC DATA

BETA = 6.000 ELV-LI = 12.000
 ELV-LO = -5.000 ELV-R1 = 12.000
 ELV-RO = -5.000

RUN NO. 67/ 0 RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	CYN	CBL	CLMU	CHEI	CHEO	Q(PSF)	CY
1.550	-8.432	.12045	-.03120	.21977	.02699	.05251	478.09956	-.28159
1.550	-6.323	.11106	-.03279	.15778	.01831	.04065	478.14215	-.26428
1.550	-4.181	.10775	-.03467	.10034	.01105	.03153	478.22734	-.25818
1.550	-2.092	.10689	-.03650	.04380	.00452	.02622	478.14215	-.25306
1.550	.026	.11028	-.03922	-.00816	-.00085	.02104	478.26993	-.25357
1.550	2.121	.11079	-.04083	-.05514	-.00523	.01306	478.35512	-.25250
1.550	4.211	.10926	-.04261	-.09926	-.00948	.00494	478.35512	-.25082
	GRADIENT	.00033	-.00096	-.02373	-.00242	-.00316	.02234	.00073

RUN NO 72/ 0 RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	CYN	CBL	CLMU	CHEI	CHEO	Q(PSF)	CY
2.000	-7.737	.11176	-.02926	.19374	-.00049	.02310	474.94207	-.26717
2.000	-5.628	.10531	-.03022	.14177	-.00674	.01706	474.90628	-.25579
2.000	-3.511	.10616	-.03247	.09181	-.01296	.01063	474.97785	-.25123
2.000	-1.410	.11015	-.03398	.04540	-.01886	.00398	474.97785	-.25185
2.000	.690	.11127	-.03494	.00264	-.02388	-.00232	474.94207	-.24768
2.000	2.773	.11125	-.03514	-.03672	-.02902	-.00804	474.94207	-.24422
2.000	4.881	.10999	-.03519	-.08326	-.03343	-.01183	474.90628	-.24148
	GRADIENT	.00042	-.00031	-.02062	-.00245	-.00272	-.00854	.00129

DATE 29 OCT 76

TABULATED SOURCE DATA - 1A94A.

PAGE 83

LARC UPWT 1152(1A94A) OTSAT130

(SJK042) (18 JUN 76)

REFERENCE DATA

SREF = 2690 0000 SQ FT XMRP = 976 0000 IN XT
 LREF = 1290 3000 INCHES YMRP = 0000 IN. YT
 BREF = 1290 3000 INCHES ZMRP = 400 0000 IN ZT
 SCALE = .0100

PARAMETRIC DATA

BETA = -6.000 ELV-LI = 12.000
 ELV-LO = 2.000 ELV-RI = 12.000
 ELV-RO = 2.000

RUN NO. 74/ 0 RN/L = 2 00 GRADIENT INTERVAL = -5 00/ 5 00

MACH	ALPHA	CYN	CBL	CLMU	CHEI	CHEO	Q(PSF)	CY
1.550	-8 441	- 13316	.03665	.20812	.00583	-.00622	477.80141	.31650
1.550	-6 353	-.12531	.03935	.14296	-.00681	-.01512	478.48289	.30289
1.550	-4 226	- 12408	.04175	.08488	- 02002	-.02459	479.41993	.29752
1.550	-2 083	- 12541	.04452	.02810	- 03176	-.03207	479.76066	.29592
1.550	- 032	- 12587	.04605	-.01803	- 04133	- 03474	479.84585	.29345
1.550	2 119	-.12908	.04814	- 06653	- 05152	-.03750	479.76066	.29697
1.550	4 219	-.12916	.04966	-.10978	-.05965	-.04133	479.71807	.29542
	GRADIENT	- 00066	.00092	- 02295	- 00469	-.00185	02826	-.00015

LARC UPWT 1152(1A94A) OTSAT130

(SJK043) (18 JUN 76)

REFERENCE DATA

SREF = 2690.0000 SQ FT. XMRP = 976.0000 IN XT
 LREF = 1290 3000 INCHES YMRP = 0000 IN. YT
 BREF = 1290.3000 INCHES ZMRP = 400 0000 IN ZT
 SCALE = .0100

PARAMETRIC DATA

BETA = -4.000 ELV-LI = 12.000
 ELV-LO = 2.000 ELV-RI = 12.000
 ELV-RO = 2.000

RUN NO. 75/ 0 RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	CYN	CBL	CLMU	CHEI	CHEO	Q(PSF)	CY
1.550	-8.456	-.08877	.02395	.21155	.00996	- 00299	479.29215	.21414
1.550	-6 394	-.08129	.02543	.15110	-.00231	- 01111	479.24956	.20048
1.550	-4.203	-.08103	.02758	.09068	-.01590	- 02222	479.20696	.19704
1.550	-2.053	-.08079	.02872	.03292	- 02901	-.03019	479.20696	.19303
1.550	.042	-.08270	.03009	-.01706	- 03871	-.03318	479.20696	.19271
1.550	2 124	-.08520	.03128	- 06257	- 04818	- 03601	479.20696	.19455
1.550	4 244	-.08518	.03302	-.10732	- 05536	- 03978	479.07919	.19553
	GRADIENT	-.00060	.00064	-.02333	-.00466	- 00195	-.01212	- 00007

DATE 29 OCT 76

TABULATED SOURCE DATA - 1A94A.

PAGE 84

LARC UPWT 1152(1A94A) OTSAT130

(SJK044) (18 JUN 76)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT
 LREF = 1290.3000 INCHES YMRP = .0000 IN. YT
 BREF = 1290.3000 INCHES ZMRP = 400.0000 IN. ZT
 SCALE = .0100

PARAMETRIC DATA

BETA = .000 ELV-LI = 12.000
 ELV-LO = 2.000 ELV-RI = 12.000
 ELV-RO = 2.000

RUN NO. 73/ 0 RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	CYN	CBL	CLMU	CHEI	CHEO	Q(PSF)	CY
1.550	-8.437	-.00212	.00186	.20633	.01805	.00607	478.61067	.01121
1.550	-6.289	-.00310	.00254	.14729	.00725	-.00698	478.39771	.01272
1.550	-4.178	-.00334	.00232	.09024	-.00280	-.01414	477.88660	.01177
1.550	-2.078	-.00361	.00207	.03328	-.01267	-.02330	477.54586	.01136
1.550	.036	-.00497	.00225	-.01411	-.02158	-.02748	477.03475	.01364
1.550	2.140	-.00647	.00221	-.05773	-.03018	-.03119	477.97178	.01558
1.550	4.235	-.00567	.00174	-.10307	-.03404	-.03561	478.44030	.01408
	GRADIENT	-.00036	-.00005	-.02270	-.00380	-.00242	.07275	.00042

LARC UPWT 1152(1A94A) OTSAT130

(SJK045) (18 JUN 76)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT
 LREF = 1290.3000 INCHES YMRP = .0000 IN. YT
 BREF = 1290.3000 INCHES ZMRP = 400.0000 IN. ZT
 SCALE = .0100

PARAMETRIC DATA

BETA = 4.000 ELV-LI = 12.000
 ELV-LO = 2.000 ELV-RI = 12.000
 ELV-RO = 2.000

RUN NO. 76/ 0 RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	CYN	CBL	CLMU	CHEI	CHEO	Q(PSF)	CY
1.550	-8.414	.07525	-.01813	.21267	.02053	.01691	479.03659	-.17547
1.550	-6.333	.06970	-.01997	.15149	.01341	.00614	478.99400	-.16627
1.550	-4.152	.06861	-.02112	.09119	.00771	-.00261	479.07919	-.16136
1.550	-2.076	.06926	-.02266	.03740	.00083	-.00897	478.99400	-.15974
1.550	.035	.07196	-.02461	-.01449	-.00668	-.01526	478.99400	-.16182
1.550	2.127	.07342	-.02609	-.06151	-.01226	-.02231	478.99400	-.16237
1.550	4.236	.07041	-.02694	-.10168	-.01954	-.02844	479.07919	-.15857
	GRADIENT	.00037	-.00072	-.02339	-.00322	-.00310	.00003	.00014

DATE 29 OCT 76

TABULATED SOURCE DATA - 1A94A.

PAGE 85

LARC UPWT 1152(1A94A) OTSAT130

(SJK046) (18 JUN 76)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT
 LREF = 1290.3000 INCHES YMRP = .0000 IN. YT
 BREF = 1290.3000 INCHES ZMRP = 400.0000 IN. ZT
 SCALE = .0100

PARAMETRIC DATA

BETA = 6.000 ELV-LI = 12.000
 ELV-LO = 2.000 ELV-RI = 12.000
 ELV-RO = 2.000

RUN NO 77/ 0 RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	CYN	CBL	CLMU	CHEI	CHEO	Q(PSF)	CY
1.550	-8.422	.12082	-.03087	.21249	.02350	.02094	478.95141	-.27906
1.550	-6.332	.11244	-.03323	.14760	.01507	.00994	479.07919	-.26526
1.550	-4.160	.10845	-.03468	.09014	.00925	.00220	479.07919	-.25648
1.550	-2.072	.10855	-.03690	.03489	.00237	-.00238	478.95141	-.25411
1.550	.004	.11052	-.03893	-.01456	-.00291	-.00820	479.07919	-.25142
1.550	2.127	.11291	-.04133	-.06360	-.00801	-.01602	479.03659	-.25555
1.550	4.243	.11138	-.04305	-.10891	-.01250	-.02345	479.16437	-.25465
	GRADIENT	.00049	-.00101	-.02364	-.00256	-.00309	.01219	.00010

LARC UPWT 1152(1A94A) OTSAT130

(SJK047) (18 JUN 76)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT
 LREF = 1290.3000 INCHES YMRP = .0000 IN. YT
 BREF = 1290.3000 INCHES ZMRP = 400.0000 IN. ZT
 SCALE = .0100

PARAMETRIC DATA

BETA = -6.000 ELV-LI = 8.000
 ELV-LO = 2.000 ELV-RI = 8.000
 ELV-RO = 2.000

RUN NO 79/ 0 RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	CYN	CBL	CLMU	CHEI	CHEO	Q(PSF)	CY
1.550	-8.456	-.13610	.03763	.21405	.03717	-.00529	478.56808	.32296
1.550	-6.344	-.12651	.03989	.14720	.02494	-.01435	478.52548	.30583
1.550	-4.207	-.12418	.04207	.08859	.01176	-.02440	478.48289	.29898
1.550	-2.049	-.12611	.04489	.03275	.00000	-.03208	478.44030	.29784
1.550	.019	-.12683	.04631	-.01384	-.01167	-.03462	478.39771	.29427
1.550	2.122	-.12911	.04823	-.06155	-.02213	-.03715	478.35512	.29675
1.550	4.229	-.12967	.04989	-.10430	-.03076	-.04099	478.35512	.29624
	GRADIENT	-.00066	.00090	-.02282	-.00509	-.00182	-.01619	-.00031

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DATE 29 OCT 76

TABULATED SOURCE DATA - 1A94A.

PAGE 86

LARC UPWT 1152(1A94A) OTSAT130

(SJK048) (18 JUN 76)

REFERENCE DATA

SREF = 2690.0000 SQ FT XMRP = 976 0000 IN. XT
 LREF = 1290.3000 INCHES YMRP = 0000 IN. YT
 BREF = 1290.3000 INCHES ZMRP = 400.0000 IN. ZT
 SCALE = .0100

PARAMETRIC DATA

BETA = -4.000 ELV-LI = 8.000
 ELV-LO = 2.000 ELV-RI = 8.000
 ELV-RO = 2.000

RUN NO 80/ 0 RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	CYN	CBL	CLMU	CHEI	CHEO	Q(PSF)	CY
1.550	-8.445	-.08790	.02384	.21618	.04018	-.00215	478.09956	.21142
1.550	-6.289	-.08158	.02610	.15161	.02698	-.01098	478.18475	.20008
1.550	-4.202	-.08066	.02781	.09433	.01486	-.02189	478.18475	.19639
1.550	-2.088	-.08133	.02905	.03975	.00309	-.02988	478.05697	.19316
1.550	.016	-.08259	.03027	-.01094	-.00778	-.03294	478.22734	.19283
1.550	2.164	-.08668	.03213	-.05839	-.01859	-.03567	478.69585	.19713
1.550	4.225	-.08604	.03354	-.10185	-.02707	-.03939	479.16437	.19707
	GRADIENT	-.00076	.00069	-.02324	-.00500	-.00193	12302	.00025

LARC UPWT 1152(1A94A) OTSAT130

(SJK049) (18 JUN 76)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976 0000 IN. XT
 LREF = 1290.3000 INCHES YMRP = .0000 IN. YT
 BREF = 1290.3000 INCHES ZMRP = 400 0000 IN. ZT
 SCALE = .0100

PARAMETRIC DATA

BETA = .000 ELV-LI = 8.000
 ELV-LO = 2.000 ELV-RI = 8.000
 ELV-RO = 2.000

RUN NO. 78/ 0 RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	CYN	CBL	CLMU	CHEI	CHEO	Q(PSF)	CY
1.550	-8.437	-.00328	.00238	.21200	.04828	.00741	480.27177	.01242
1.550	-6.318	-.00420	.00292	.15178	.03668	-.00612	480.35696	.01422
1.550	-4.163	-.00409	.00269	.09398	.02509	-.01400	480.14400	.01304
1.550	-2.064	-.00532	.00278	.03767	.01563	-.02288	479.88844	.01364
1.550	.026	-.00677	.00292	-.00881	.00616	-.02724	479.80326	.01645
1.550	2.142	-.00791	.00278	-.05375	-.00327	-.03094	479.50511	.01762
1.550	4.241	-.00758	.00246	-.09847	-.00789	-.03532	479.20696	.01723
	GRADIENT	-.00046	-.00002	-.02267	-.00404	-.00241	-.10745	.00059

DATE 29 OCT 76

TABULATED SOURCE DATA - 1A94A.

PAGE 87

LARC UPWT 1152(1A94A) OTSAT130

(SJK050) (18 JUN 76)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT
 LREF = 1290.3000 INCHES YMRP = .0000 IN. YT
 BREF = 1290.3000 INCHES ZMRP = 400.0000 IN. ZT
 SCALE = .0100

PARAMETRIC DATA

BETA = 4.000 ELV-L1 = 8.000
 ELV-LO = 2.000 ELV-R1 = 8.000
 ELV-R0 = 2.000

RUN NO.	81/ 0	RN/L =	2.00	GRADIENT	INTERVAL =	-5.00/	5.00
MACH	ALPHA	CYN	CBL	CLMU	CHEI	CHEO	Q(PSF)
1.550	-8.441	.07541	-.01781	.21859	.04847	.01811	479.59029
1.550	-6.335	.06763	-.01916	.15568	.04135	.00697	479.71807
1.550	-4.166	.06790	-.02072	.09762	.03472	-.00176	479.63289
1.550	-2.071	.06849	-.02211	.04030	.02666	-.00857	479.63289
1.550	.031	.06974	-.02377	-.01016	.01860	-.01516	479.67548
1.550	2.142	.07214	-.02544	-.05767	.01161	-.02190	479.63289
1.550	4.237	.06993	-.02674	-.10011	.00498	-.02763	479.67548
GRADIENT		.00036	-.00073	-.02347	-.00355	-.00310	.00405

LARC UPWT 1152(1A94A) OTSAT130

(SJK051) (18 JUN 76)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT
 LREF = 1290.3000 INCHES YMRP = .0000 IN. YT
 BREF = 1290.3000 INCHES ZMRP = 400.0000 IN. ZT
 SCALE = .0100

PARAMETRIC DATA

BETA = 6.000 ELV-L1 = 8.000
 ELV-LO = 2.000 ELV-R1 = 8.000
 ELV-R0 = 2.000

RUN NO.	82/ 0	RN/L =	2.00	GRADIENT	INTERVAL =	-5.00/	5.00
MACH	ALPHA	CYN	CBL	CLMU	CHEI	CHEO	Q(PSF)
1.550	-8.431	.12033	-.03052	.21767	.05036	.02181	479.67548
1.550	-6.312	.11148	-.03240	.15483	.04267	.01106	479.54770
1.550	-4.184	.10776	-.03422	.09639	.03579	.00303	479.54770
1.550	-2.080	.10747	-.03620	.04048	.02879	-.00122	479.67548
1.550	.024	.10989	-.03863	-.01144	.02204	-.00766	479.59029
1.550	2.125	.11100	-.04056	-.05854	.01505	-.01562	479.63289
1.550	4.221	.10920	-.04217	-.10393	.00972	-.02282	479.59029
GRADIENT		.00031	-.00096	-.02378	-.00314	-.00315	.00203

DATE 29 OCT 76

TABULATED SOURCE DATA - 1A94A.

PAGE 88

LARC UPWT 1152(1A94A) OTSAT130

(SJK052) (18 JUN 76)

REFERENCE DATA

SREF = 2690 0000 SQ.FT. XMRP = 976.0000 IN. XT
 LREF = 1290 3000 INCHES YMRP = 0000 IN. YT
 BREF = 1290.3000 INCHES ZMRP = 400.0000 IN. ZT
 SCALE = 0100

PARAMETRIC DATA

BETA = -6.000 ELV-LI = 8.000
 ELV-LO = -5.000 ELV-RI = 8.000
 ELV-RO = -5.000

RUN NO. 84/ 0 RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5 00

MACH	ALPHA	CYN	CBL	CLMU	CHEI	CHEO	Q(PSF)	CY
1.550	-8.453	-.13606	.03780	.22556	.03900	.02326	479.50511	.32424
1.550	-6.341	-.12592	.04005	.15641	.02702	.01538	479.54770	.30690
1.550	-4.222	-.12440	.04218	.09915	.01422	.00712	479.63289	.29875
1.550	-2.079	-.12422	.04431	.04356	.00284	-.00107	479.54770	.29422
1.550	.034	-.12750	.04675	-.00562	-.00946	-.00528	479.46252	.29690
1.550	2.107	-.12834	.04816	-.05269	-.01965	-.00850	479.46252	.29667
1.550	4.226	-.13060	.05025	-.09620	-.02863	-.01325	479.41993	.29910
	GRADIENT	-.00078	.00095	-.02310	-.00513	-.00229	-.02428	.00015

LARC UPWT 1152(1A94A) OTSAT130

(SJK053) (18 JUN 76)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976 0000 IN. XT
 LREF = 1290.3000 INCHES YMRP = 0000 IN. YT
 BREF = 1290.3000 INCHES ZMRP = 400 0000 IN. ZT
 SCALE = .0100

PARAMETRIC DATA

BETA = -4.000 ELV-LI = 8.000
 ELV-LO = -5.000 ELV-RI = 8.000
 ELV-RO = -5.000

RUN NO. 85/ 0 RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	CYN	CBL	CLMU	CHEI	CHEO	Q(PSF)	CY
1.550	-8.454	-.08945	.02426	.22747	.04151	.02600	479.24956	.21464
1.550	-6.323	-.08198	.02618	.16208	.02869	.01751	479.37733	.20232
1.550	-4.216	-.08095	.02795	.10316	.01660	.00819	479.29215	.19785
1.550	-2.057	-.08130	.02909	.04715	.00450	.00038	479.46252	.19370
1.550	.021	-.08335	.03070	-.00264	-.00582	-.00368	479.46252	.19531
1.550	2.140	-.08672	.03218	-.04890	-.01674	-.00720	479.46252	.19819
1.550	4.220	-.08612	.03362	-.09396	-.02510	-.01195	479.54770	.19746
	GRADIENT	-.00075	.00068	-.02328	-.00497	-.00227	.02432	.00017

DATE 29 OCT 76

TABULATED SOURCE DATA - 1A94A.

PAGE 89

LARC UPWT 1152(1A94A) OTSAT130

(SJK054) (18 JUN 76)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT
 LREF = 1290.3000 INCHES YMRP = .0000 IN. YT
 BREF = 1290.3000 INCHES ZMRP = 400.0000 IN. ZT
 SCALE = .0100

PARAMETRIC DATA

BETA = .000 ELV-LI = 8.000
 ELV-LO = -5.000 ELV-RI = 8.000
 ELV-RO = -5.000

RUN NO. 83/ 0 RN/L = 1.99 GRADIENT INTERVAL = -5 00/ 5.00

MACH	ALPHA	CYN	CBL	CLMU	CHEI	CHEO	Q(PSF)	CY
1.550	-8.460	- .00185	.00194	.22476	.05126	.03603	478.99400	.00978
1.550	-6.346	- .00342	.00258	.16351	.03881	.02124	478.86622	.01266
1.550	-4.203	- .00338	.00237	.10500	.02719	.01344	478.61067	.01174
1.550	-2.064	- .00459	.00245	.04840	.01794	.00615	478.39771	.01348
1.550	.023	- .00621	.00272	.00002	.00796	.00144	478.09956	.01545
1.550	2.119	- .00782	.00261	- .04441	- .00170	- .00307	478.09956	.01797
1.550	4.244	- .00760	.00239	- .09068	- .00657	- .00891	477.97178	.01728
	GRADIENT	- .00055	.00001	- .02297	- .00413	- .00256	- .07478	.00074

LARC UPWT 1152(1A94A) OTSAT130

(SJK055) (18 JUN 76)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT
 LREF = 1290.3000 INCHES YMRP = .0000 IN. YT
 BREF = 1290.3000 INCHES ZMRP = 400.0000 IN. ZT
 SCALE = .0100

PARAMETRIC DATA

BETA = 4.000 ELV-LI = 8.000
 ELV-LO = -5.000 ELV-RI = 8.000
 ELV-RO = -5.000

RUN NO. 86/ 0 RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	CYN	CBL	CLMU	CHEI	CHEO	Q(PSF)	CY
1.550	-8.439	.07420	- .01744	.22787	.05192	.04736	479.50511	- .17458
1.550	-6.325	.06741	- .01941	.16311	.04362	.03387	479.50511	- .16378
1.550	-4.199	.06704	- .02060	.10683	.03650	.02682	479.63289	- .16023
1.550	-2.076	.06839	- .02238	.04903	.02843	.01977	479.71807	- .15958
1.550	.016	.07004	- .02412	- .00061	.02062	.01303	479.67548	- .15982
1.550	2.125	.07122	- .02540	- .04914	.01350	.00507	479.84585	- .15921
1.550	4.227	.06929	- .02665	- .09196	.00711	- .00176	479.88844	- .15786
	GRADIENT	.00035	- .00072	- .02355	- .00350	- .00341	.03036	.00024

DATE 29 OCT 76

TABULATED SOURCE DATA - 1A94A.

PAGE 90

LARC UPWT 1152(1A94A) OTSAT130

(SJK056) (18 JUN 76)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN XT
 LREF = 1290.3000 INCHES YMRP = .0000 IN YT
 BREF = 1290.3000 INCHES ZMRP = 400.0000 IN. ZT
 SCALE = .0100

PARAMETRIC DATA

BETA = 6.000 ELV-LI = 8.000
 ELV-LO = -5.000 ELV-RI = 8.000
 ELV-RO = -5.000

RUN NO 87/ 0 RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	CYN	CBL	CLMU	CHEI	CHEO	Q(PSF)	CY
1.550	-8.450	.11907	-.03046	.22739	.05414	.05294	479.76066	-.27820
1.550	-6.343	.11118	-.03280	.16418	.04547	.03997	479.93103	-.26521
1.550	-4.180	.10620	-.03392	.10563	.03766	.03179	479.97363	-.25428
1.550	-2.069	.10571	-.03587	.04749	.02984	.02627	480.01622	-.24933
1.550	.023	.10827	-.03813	-.00164	.02368	.02014	480.01622	-.24891
1.550	2.132	.11071	-.04053	-.05031	.01717	.01143	480.05881	-.25270
1.550	4.226	.10975	-.04246	-.09575	.01208	.00219	480.05881	-.25238
	GRADIENT	.00058	-.00103	-.02382	-.00304	-.00352	.01014	.00002

LARC UPWT 1152(1A94A) OTSAT130

(SJK057) (18 JUN 76)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT
 LREF = 1290.3000 INCHES YMRP = .0000 IN YT
 BREF = 1290.3000 INCHES ZMRP = 400.0000 IN. ZT
 SCALE = .0100

PARAMETRIC DATA

BETA = -6.000 ELV-LI = 8.000
 ELV-LO = -10.000 ELV-RI = 8.000
 ELV-RO = -10.000

RUN NO. 89/ 0 RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	CYN	CBL	CLMU	CHEI	CHEO	Q(PSF)	CY
1.550	-8.457	-.13509	.03736	.23156	.03902	.04753	479.24956	.32178
1.550	-6.336	-.12507	.03943	.16268	.02657	.03859	479.20696	.30400
1.550	-4.185	-.12459	.04181	.10323	.01257	.02836	479.16437	.29960
1.550	-2.086	-.12501	.04430	.04930	.00214	.02055	479.12178	.29654
1.550	.003	-.12595	.04597	.00012	-.00947	.01623	479.20696	.29387
1.550	2.125	-.12899	.04814	-.04819	-.01978	.01266	479.16437	.29792
1.550	4.237	-.13131	.05016	-.09410	-.02913	.00713	479.20696	.30117
	GRADIENT	-.00083	.00098	-.02337	-.00500	-.00239	.00606	.00022

DATE 29 OCT 76

TABULATED SOURCE DATA - 1A94A.

PAGE 91

LARC UPWT 1152(1A94A) OTSAT130

(SJK058) (18 JUN 76)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT
 LREF = 1290.3000 INCHES YMRP = 0000 IN. YT
 BREF = 1290.3000 INCHES ZMRP = 400.0000 IN. ZT
 SCALE = .0100

PARAMETRIC DATA

BETA = -4.000 ELV-LI = 8.000
 ELV-LO = -10.000 ELV-RI = 8.000
 ELV-RO = -10.000

RUN NO	90/ 0	RN/L = 2.00	GRADIENT	INTERVAL = -5.00/ 5.00				
MACH	ALPHA	CYN	CBL	CLMU	CHEI	CHEO	Q(PSF)	CY
1.550	-8.460	-.08808	.02344	.23393	.04222	.04935	479.24956	.21174
1.550	-6.323	-.08232	.02599	.16863	.02917	.04025	479.33474	.20134
1.550	-4.190	-.07924	.02713	.11096	.01660	.02948	479.46252	.19457
1.550	-2.078	-.08189	.02907	.05421	.00450	.02204	479.63289	.19653
1.550	.019	-.08263	.03030	.00333	-.00655	.01757	479.71807	.19418
1.550	2.129	-.08646	.03161	-.04408	-.01709	.01325	479.71807	.19700
1.550	4.232	-.08639	.03312	-.09024	-.02545	.00833	479.80326	.19735
GRADIENT		-.00090	.00069	-.02378	-.00502	-.00243	.03642	.00029

LARC UPWT 1152(1A94A) OTSAT130

(SJK059) (18 JUN 76)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT
 LREF = 1290.3000 INCHES YMRP = 0000 IN. YT
 BREF = 1290.3000 INCHES ZMRP = 400.0000 IN. ZT
 SCALE = .0100

PARAMETRIC DATA

BETA = 0.000 ELV-LI = 8.000
 ELV-LO = -10.000 ELV-RI = 8.000
 ELV-RO = -10.000

RUN NO.	88/ 0	RN/L = 2.00	GRADIENT	INTERVAL = -5.00/ 5.00				
MACH	ALPHA	CYN	CBL	CLMU	CHEI	CHEO	Q(PSF)	CY
1.550	-8.462	-.00244	.00192	.23003	.05237	.06076	480.78288	.01057
1.550	-6.302	-.00353	.00250	.16605	.03894	.04418	480.22918	.01279
1.550	-4.182	-.00430	.00242	.10802	.02675	.03451	480.14400	.01328
1.550	-2.073	-.00637	.00289	.05132	.01705	.02649	480.05881	.01650
1.550	.028	-.00639	.00250	.00168	.00746	.02188	479.93103	.01626
1.550	2.114	-.00811	.00253	-.04173	-.00230	.01718	479.97363	.01788
1.550	4.254	-.00796	.00216	-.08867	-.00776	.01060	479.93103	.01805
GRADIENT		-.00043	-.00004	-.02310	-.00419	-.00271	-.02427	.00052

DATE 29 OCT 76

TABULATED SOURCE DATA - 1A94A.

PAGE 92

LARC UPWT 1152(1A94A) OTSAT130

(SJK060) (18 JUN 76)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT
 LREF = 1290.3000 INCHES YMRP = .0000 IN. YT
 BREF = 1290.3000 INCHES ZMRP = 400 0000 IN. ZT
 SCALE = .0100

PARAMETRIC DATA

BETA = 4.000 ELV-LI = 8.000
 ELV-LO = -10.000 ELV-RI = 8.000
 ELV-RO = -10.000

RUN NO. 91/ 0 RN/L = 2.01 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	CYN	CBL	CLMU	CHEI	CHEO	Q(PSF)	CY
1.550	-8.445	.07500	-.01789	.23568	.05352	.07138	479.97363	-17622
1.550	-6.337	.06723	-.01944	.17171	.04499	.05828	480.05881	-.16289
1.550	-4.174	.06577	-.02051	.11191	.03705	.04873	480.14400	-.15878
1.550	-2.099	.06701	-.02209	.05725	.02911	.04093	480.22918	-.15772
1.550	.011	.06830	-.02383	.00526	.02059	.03253	480.27177	-.15669
1.550	2.126	.07169	-.02596	-.04379	.01313	.02337	480.31437	-.16094
1.550	4.217	.06802	-.02648	-.08720	.00651	.01580	480.52733	-.15607
	GRADIENT	.00044	-.00075	-.02376	-.00367	-.00397	.04054	.00010

LARC UPWT 1152(1A94A) OTSAT130

(SJK061) (18 JUN 76)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976 0000 IN. XT
 LREF = 1290.3000 INCHES YMRP = 0000 IN. YT
 BREF = 1290.3000 INCHES ZMRP = 400 0000 IN. ZT
 SCALE = 0100

PARAMETRIC DATA

BETA = 6.000 ELV-LI = 8.000
 ELV-LO = -10.000 ELV-RI = 8.000
 ELV-RO = -10.000

RUN NO. 92/ 0 RN/L = 2.01 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	CYN	CBL	CLMU	CHEI	CHEO	Q(PSF)	CY
1.550	-8.441	.12013	-.03096	.23575	.05582	.07681	480.56992	-.28006
1.550	-6.324	.11080	-.03297	.17179	.04624	.06442	480.56992	-.26443
1.550	-4.193	.10621	-.03432	.11358	.03796	.05556	480.61251	-.25505
1.550	-2.069	.10637	-.03655	.05630	.02992	.04816	480.56992	-.25245
1.550	.008	.10862	-.03891	.00516	.02341	.04127	480.74029	-.25097
1.550	2.111	.11039	-.04106	-.04406	.01655	.03015	480.86807	-.25368
1.550	4.227	.10853	-.04237	-.09179	.01135	.01889	480.78288	-.24983
	GRADIENT	.00041	-.00098	-.02432	-.00317	-.00435	.03033	.00044

DATE 29 OCT 76

TABULATED SOURCE DATA - 1A94A.

PAGE 93

LARC UPWT 1152(1A94A) OTSAT129

(TJK001) (18 JUN 76)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT
 LREF = 1290.3000 INCHES YMRP = .0000 IN. YT
 BREF = 1290.3000 INCHES ZMRP = 400.0000 IN. ZT
 SCALE = .0100

PARAMETRIC DATA

BETA = -6.000 ELV-L1 = .000
 ELV-LO = .000 ELV-R1 = .000
 ELV-RO = .000

RUN NO. 3/ 0		RN/L = 2.00	GRADIENT INTERVAL = -5.00/ 5.00						
MACH	ALPHA	RN/L	L/DU	BETA	CLU	CDU	CNW	CBW	CTW
1.550	-8.461	2.00038	-.98015	-6.29119	-.54330	.55431	-.06904	-.01026	-.00544
1.550	-6.341	2.00020	-.77976	-6.27863	-.40343	.51738	-.04877	-.00634	-.00492
1.550	-4.203	2.00073	-.55552	-6.27209	-.27082	.48752	-.02337	-.00178	-.00288
1.550	-2.111	2.00073	-.30459	-6.27035	-.14340	.47080	.00140	.00298	-.00078
1.550	.004	2.00109	-.05952	-6.26752	-.02759	.46348	.02615	.00743	.00171
1.550	2.119	2.00091	.17844	-6.26898	.08309	.46563	.04726	.01113	.00427
1.550	4.215	2.00056	.39972	-6.26655	.18862	.47188	.06376	.01426	.00512
	GRADIENT	-.00001	.11362	.00059	.05437	-.00173	.01045	.00191	.00100

RUN NO 8/ 0		RN/L = 2.00	GRADIENT INTERVAL = -5.00/ 5.00						
MACH	ALPHA	RN/L	L/DU	BETA	CLU	CDU	CNW	CBW	CTW
2.000	-7.750	1.99897	-.99514	-6.27465	-.48836	.49075	-.03606	-.00588	-.00652
2.000	-5.638	1.99807	-.80184	-6.26748	-.36343	.45325	-.02141	-.00356	-.00586
2.000	-3.527	1.99852	-.57634	-6.26470	-.24636	.42746	-.00616	-.00061	-.00480
2.000	-1.423	1.99852	-.32661	-6.26076	-.13429	.41118	.01685	.00329	-.00302
2.000	.673	1.99822	-.06862	-6.25316	-.02780	.40515	.03626	.00688	-.00203
2.000	2.766	1.99761	.17832	-6.25163	.07225	.40520	.05284	.00984	-.00056
2.000	4.868	1.99761	.41928	-6.24963	.17237	.41111	.07002	.01277	.00212
	GRADIENT	-.00013	.11898	.00187	.04976	-.00184	.00898	.00159	.00078

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DATE 29 OCT 76

TABULATED SOURCE DATA - 1A94A.

PAGE 94

LARC UPWT 1152(1A94A) OTSAT129

(TJK002) (18 JUN 76)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT
 LREF = 1290.3000 INCHES YMRP = 0000 IN. YT
 BREF = 1290.3000 INCHES ZMRP = 400.0000 IN. ZT
 SCALE = 0100

PARAMETRIC DATA

BETA = -4.000 ELV-LI = .000
 ELV-LO = .000 ELV-RI = .000
 ELV-RO = .000

RUN NO. 4/ 0		RN/L = 2 00	GRADIENT INTERVAL = -5.00/ 5.00						
MACH	ALPHA	RN/L	L/DU	BETA	CLU	CDU	CNW	CBW	CTW
1.550	-8.459	2.00038	-.97201	-4.18187	-.54063	.55620	-.06729	-.01008	-.00652
1.550	-6.338	2.00073	-.77740	-4.17238	-.40042	.51508	-.04381	-.00578	-.00576
1.550	-4.208	2.00109	-.55949	-4.16681	-.27090	.48420	-.01964	-.00121	-.00455
1.550	-2.097	2.00091	-.30595	-4.16533	-.14289	.46705	.00704	.00384	-.00274
1.550	.014	2.00109	-.05695	-4.16268	-.02614	.45893	.03175	.00839	-.00033
1.550	2.120	2.00162	.18511	-4.16309	.08529	.46079	.05551	.01230	.00279
1.550	4.217	2.00127	.39861	-4.16561	.18674	.46847	.07317	.01549	.00453
	GRADIENT	.00005	.11427	.00022	.05428	-.00179	.01111	.00199	.00112

RUN NO 9/ 0		RN/L = 2.00	GRADIENT INTERVAL = -5.00/ 5.00						
MACH	ALPHA	RN/L	L/DU	BETA	CLU	CDU	CNW	CBW	CTW
2.000	-7.746	1.99731	-.98896	-4.17633	-.48361	.48901	-.03135	-.00546	-.00637
2.000	-5.637	1.99746	-.80033	-4.17017	-.36105	.45113	-.01902	-.00323	-.00605
2.000	-3.524	1.99776	-.57077	-4.16635	-.24227	.42446	-.00349	-.00027	-.00590
2.000	-1.400	1.99761	-.32312	-4.16370	-.13208	.40874	.01775	.00351	-.00463
2.000	.668	1.99761	-.07581	-4.16209	-.03054	.40290	.03760	.00707	-.00337
2.000	2.776	1.99761	.18180	-4.16043	.07321	.40267	.06072	.01067	-.00003
2.000	4.859	1.99746	.41481	-4.15818	.17016	.41021	.07504	.01356	.00239
	GRADIENT	-.00003	.11824	.00094	.04919	-.00165	.00955	.00166	.00101

DATE 29 OCT 76

TABULATED SOURCE DATA - 1A94A.

PAGE 95

LARC UPWT 1152(1A94A) OTSA*129

(TJK003) (18 JUN 76)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976 0000 IN. XT
 LREF = 1290.3000 INCHES YMRP = 0000 IN YT
 BREF = 1290.3000 INCHES ZMRP = 400.0000 IN. ZT
 SCALE = .0100

PARAMETRIC DATA

BETA = .000 ELV-L1 = .000
 ELV-LO = .000 ELV-R1 = .000
 ELV-RO = .000

RUN NO. 2/ 0		RN/L = 2.00		GRADIENT INTERVAL = -5.00/ 5 00					
MACH	ALPHA	RN/L	L/DU	BETA	CLU	CDU	CNW	CBW	CTW
1.550	-8.447	1.99913	-.95510	-.01520	-.52785	.55266	-.06323	-.00914	-.00836
1.550	-6.320	1.99896	-.76556	-.01270	-.39059	.51021	-.04063	-.00510	-.00757
1.550	-4.183	1.99949	-.54614	-.01487	-.26189	.47954	-.01619	-.00057	-.00711
1.550	-2.099	1.99913	-.29894	-.01222	-.13878	.46423	.01168	.00473	-.00629
1.550	.019	1.99931	-.04408	-.01246	-.02025	.45925	.04194	.00989	-.00360
1.550	2.123	1.99913	.18004	-.01383	.08270	.45933	.06839	.01439	-.00038
1.550	4.230	1.99896	.39918	-.01399	.18579	.46544	.08968	.01811	.00312
	GRADIENT	-.00005	.11258	.00001	.05306	-.00157	.01275	.00223	.00125

RUN NO. 7/ 0		RN/L = 1.99		GRADIENT INTERVAL = -5.00/ 5.00					
MACH	ALPHA	RN/L	L/DU	BETA	CLU	CDU	CNW	CBW	CTW
2.000	-7.740	1.99852	-.98588	-.01090	-.47915	.48602	-.02937	-.00481	-.00880
2.000	-5.615	1.99746	-.78693	-.01315	-.35131	.44643	-.01263	-.00217	-.00734
2.000	-3.515	1.99701	-.57067	-.01257	-.24013	.42079	.00426	.00047	-.00638
2.000	-1.412	1.99656	-.33162	-.01279	-.13466	.40607	.02205	.00355	-.00575
2.000	.683	1.99520	-.07629	-.01544	-.03053	.40015	.03978	.00695	-.00532
2.000	2.778	1.99490	.17291	-.01456	.06890	.39848	.05883	.01043	-.00456
2.000	4.861	1.99370	.41620	-.01404	.16795	.40354	.07889	.01408	-.00237
	GRADIENT	-.00040	.11834	-.00023	.04869	-.00201	.00888	.00163	.00044

DATE 29 OCT 76

TABULATED SOURCE DATA - 1A94A.

PAGE 96

LARC UPWT 1152(1A94A) OTSAT129

(TJK004) (18 JUN 76)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT
 LREF = 1290.3000 INCHES YMRP = .0000 IN YT
 BREF = 1290.3000 INCHES ZMRP = 400.0000 IN. ZT
 SCALE = .0100

PARAMETRIC DATA

BETA = 4.000 ELV-L1 = .000
 ELV-LO = .000 ELV RI = .000
 ELV-RO = 000

RUN NO. 5/ 0 RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5 00

MACH	ALPHA	RN/L	L/DU	BETA	CLU	CDU	CNW	CBW	CTW
1.550	-8.454	2.00127	- 97223	4 16329	-.53818	.55356	-.05262	-.00814	-.01039
1.550	-6.331	2.00091	- 77320	4.15566	-.39662	.51296	-.02955	-.00426	-.00946
1.550	-4.222	2.00127	-.55664	4.15156	- 26910	.48344	- 00434	.00020	-.00841
1.550	-2.087	2 00109	-.30565	4 14776	- 14161	.46331	02669	.00562	-.00703
1.550	.024	2.00109	-.05264	4 14484	- 02391	.45427	05755	.01082	- 00492
1.550	2.115	1 99967	.19221	4 14231	.08742	.45481	.08502	01572	- 00237
1.550	4 215	1.99896	.39918	4 14370	.18470	.46270	.10449	.01971	.00035
	GRADIENT	- 00029	.11433	- 00101	.05394	-.00238	01310	.00233	.00105

RUN NO 10/ 0 RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	RN/L	L/DU	BETA	CLU	CDU	CNW	CBW	CTW
2 000	-7 740	1.99746	-.97340	4.15883	- 47606	.48907	-.02122	-.00402	-.00903
2 000	-5 630	1 99761	-.78029	4.15157	- 35206	.45119	-.00374	-.00137	-.00837
2.000	-3.516	1 99742	-.55457	4 14687	- 23478	.42335	.01091	.00105	-.00787
2.000	-1.409	1 99761	-.31862	4.14150	- 12974	.40721	.02600	00362	-.00749
2.000	.686	1 99761	-.06430	4.13891	-.02581	.40137	.04476	.00666	- 00683
2 000	2.761	1 99761	.18343	4.13458	07331	.39966	.05977	.00963	- 00680
2 000	4.859	1.99761	.42543	4 13140	.17325	.40724	.07817	.01301	-.00558
	GRADIENT	.00001	.11769	-.00181	.04872	-.00190	.00804	00143	00025

DATE 29 OCT 76

TABULATED SOURCE DATA - 1A94A.

PAGE 97

LARC UPWT 1152(1A94A) OTSAT129

(TJK005) (18 JUN 76)

REFERENCE DATA

SREF = 2690.0000 SQ FT. XMRP = 976.0000 IN. XT
 LREF = 1290.3000 INCHES YMRP = 0000 IN. YT
 BREF = 1290.3000 INCHES ZMRP = 400 0000 IN. ZT
 SCALE = .0100

PARAMETRIC DATA

BETA = 6.000 ELV-L1 = .000
 ELV-LO = .000 ELV-R1 = .000
 ELV-RO = .000

RUN NO. 6/ 0 RN/L = 2 00 GRADIENT INTERVAL = -5.00/ 5.00									
MACH	ALPHA	RN/L	L/DU	BETA	CLU	CCU	CNW	CBW	CTW
1.550	-8.452	2.00073	- .98224	6.24952	-.54018	.54995	-.05290	-.00797	-.01137
1.550	-6.335	2.00109	-.77726	6.23970	-.39907	.51343	-.02991	-.00394	-.01033
1.550	-4.197	2.00251	-.55228	6.23298	-.26745	.48426	-.00558	.00038	-.00940
1.550	-2.078	2.00269	-.30227	6.22612	-.14031	.46419	.02506	.00578	-.00841
1.550	.023	2.00251	-.05241	6.22485	-.02387	.45536	.05815	.01120	-.00598
1.550	2.114	2.00287	.18249	6.22317	.08328	.45634	.08742	.01607	-.00325
1.550	4.214	2.00322	.40315	6.22318	.18658	.46281	.11008	.02021	-.00033
	GRADIENT	.00008	.11401	-.00107	.05386	-.00242	.01398	.00238	.00111

RUN NO. 11/ 0 RN/L = 2 00 GRADIENT INTERVAL = -5.00/ 5.00									
MACH	ALPHA	RN/L	L/DU	BETA	CLU	CCU	CNW	CBW	CTW
2.000	-7.740	1.99761	-.98144	6.24168	-.47859	.48764	-.02267	-.00409	-.01067
2.000	-5.642	1.99807	-.79030	6.23384	-.35541	.44572	-.00555	-.00151	-.01032
2.000	-3.507	1.99746	-.56981	6.22558	-.24065	.42233	.00982	.00112	-.00928
2.000	-1.407	1.99776	-.31159	6.22123	-.12632	.40541	.02524	.00382	-.00852
2.000	.683	1.99822	-.05698	6.21428	-.02271	.39855	.04085	.00654	-.00847
2.000	2.766	1.99761	.19225	6.21206	.07658	.39833	.05811	.00964	-.00789
2.000	4.863	1.99792	.43274	6.20771	.17570	.40603	.07647	.01302	-.00652
	GRADIENT	.00004	.11997	-.00215	.04952	-.00190	.00795	.00142	.00029

DATE 29 OCT 76

TABULATED SOURCE DATA - 1A94A.

PAGE 98

LARC UPWT 1152(1A94A) OTSAT129 (INVERTED)

(TJK006) (18 JUN 76)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT
 LREF = 1290.3000 INCHES YMRP = .0000 IN. YT
 BREF = 1290.3000 INCHES ZMRP = 400.0000 IN. ZT
 SCALE = .0100

PARAMETRIC DATA

BETA = .000 ELV-L1 = .000
 ELV-L0 = .000 ELV-R1 = .000
 ELV-R0 = .000

RUN NO. 1/ 0 RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	RN/L	L/DU	BETA	CLU	CDU	CNW	CBW	CTW
1.550	-4.423	1.99398	-.57788	-.00221	-.27918	.48311	-.02863	-.00170	-.00846
1.550	-2.286	1.99416	-.32695	-.00057	-.15227	.46572	-.00021	.00367	-.00761
1.550	-.158	1.99505	-.06621	-.00073	-.03045	.45988	.03053	.00905	-.00490
1.550	1.936	1.99451	.16795	-.00332	.07717	.45950	.05831	.01372	-.00122
1.550	4.038	1.99487	.38011	-.00060	.17643	.46416	.08008	.01751	.00239
1.550	6.165	1.99505	.58883	-.00251	.28234	.47949	.10091	.02069	.00663
1.550	8.230	1.99558	.75273	-.00276	.37724	.50117	.11428	.02296	.00924
	GRADIENT	.00010	.11404	.00002	.05396	-.00209	.01305	.00229	.00133

RUN NO. 12/ 0 RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	RN/L	L/DU	BETA	CLU	CDU	CNW	CBW	CTW
2.000	-5.053	1.99822	-.74273	-.00340	-.32235	.43401	-.01800	-.00212	-.00928
2.000	-2.944	1.99822	-.51561	-.00316	-.21254	.41221	-.00156	.00062	-.00859
2.000	-.839	1.99852	-.26539	-.00296	-.10632	.40061	.01710	.00389	-.00790
2.000	1.264	1.99852	-.01243	-.00587	-.00493	.39659	.03483	.00726	-.00761
2.000	3.364	1.99867	.23309	-.00510	.09280	.39811	.05558	.01082	-.00620
2.000	5.478	1.99882	.49287	-.00454	.20072	.40724	.07542	.01468	-.00390
2.000	7.560	1.99837	.71241	-.00527	.30896	.43368	.09292	.01824	-.00158
	GRADIENT	.00006	.11885	-.00042	.04839	-.00220	.00900	.00162	.00035

DATE 29 OCT 76

TABULATED SOURCE DATA - 1A94A.

PAGE 99

LARC UPWT 1152(1A94A) OTSAT130

(TJK007) (18 JUN 76)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT
 LREF = 1290.3000 INCHES YMRP = 0000 IN. YT
 BREF = 1290.3000 INCHES ZMRP = 400.0000 IN. ZT
 SCALE = .0100

PARAMETRIC DATA

BETA = -6.000 ELV-LI = .000
 ELV-LO = .000 ELV-RI = .000
 ELV-RO = .000

RUN NO. 14/ 0 RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00									
MACH	ALPHA	RN/L	L/DU	BETA	CLU	CDU	CNW	CBW	CTW
1.550	-8.462	1.99753	-.97737	-6.28826	-.53761	.55005	-.07549	-.01066	-.00511
1.550	-6.337	1.99825	-.77802	-6.27973	-.40037	.51460	-.05518	-.00679	-.00444
1.550	-4.221	1.99896	-.55372	-6.27188	-.26888	.48558	-.03290	-.00237	-.00309
1.550	-2.094	1.99913	-.30469	-6.26741	-.14269	.46830	-.00809	.00234	-.00098
1.550	.016	1.99949	-.04658	-6.26447	-.02148	.46104	.01681	.00689	.00101
1.550	2.110	1.99985	.18134	-6.26436	.08421	.46438	.03713	.01062	.00298
1.550	4.224	1.99949	.40991	-6.26195	.19298	.47079	.05524	.01394	.00474
	GRADIENT	00008	.11441	.00109	.05455	-.00159	.01050	.00194	.00093

RUN NO. 19/ 0 RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00									
MACH	ALPHA	RN/L	L/DU	BETA	CLU	CDU	CNW	CBW	CTW
2.000	-7.725	1.99837	-.98130	-6.27433	-.47829	.48740	-.04250	-.00604	-.00636
2.000	-5.632	1.99852	-.78867	-6.26687	-.35630	.45177	-.03108	-.00382	-.00627
2.000	-3.497	1.99792	-.55961	-6.26093	-.23756	.42451	-.01380	-.00082	-.00547
2.000	-1.394	1.99792	-.30977	-6.25750	-.12684	.40947	.00786	.00295	-.00387
2.000	.680	1.99837	-.05829	-6.25359	-.02355	.40396	.02584	.00635	-.00276
2.000	2.776	1.99807	.19057	-6.25137	.07713	.40471	.04093	.00934	-.00137
2.000	4.873	1.99807	.43549	-6.24770	.17875	.41046	.06041	.01233	.00180
	GRADIENT	00002	.11911	.00156	.04957	-.00157	.00868	.00156	.00082

DATE 29 OCT 76

TABULATED SOURCE DATA - 1A94A.

PAGE 100

LARC UPWT 1152(1A94A) OTSAT130

(TJK008) (18 JUN 76)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT
 LREF = 1290.3000 INCHES YMRP = .0000 IN. YT
 BREF = 1290.3000 INCHES ZMRP = 400.0000 IN. ZT
 SCALE = .0100

PARAMETRIC DATA

BETA = -4.000 ELV-LI = .000
 ELV-LO = .000 ELV-RI = .000
 ELV-RO = .000

RUN NO. 15/ 0 RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00									
MACH	ALPHA	RN/L	L/DU	BETA	CLU	CDU	CNW	CBW	CTW
1.550	-8.454	1.99860	-.97268	-4.17616	-.53726	.55235	-.07555	-.01055	-.00649
1.550	-6.325	1.99896	-.77684	-4.16921	-.39772	.51198	-.05335	-.00642	-.00597
1.550	-4.207	1.99913	-.55717	-4.16485	-.26893	.48266	-.02863	-.00186	-.00485
1.550	-2.076	1.99931	-.30347	-4.16118	-.14127	.46550	-.00067	.00336	-.00252
1.550	.020	1.99878	-.04786	-4.15884	-.02194	.45837	.02543	.00826	-.00018
1.550	2.122	1.99913	.19156	-4.15996	.08824	.46063	.04658	.01206	.00215
1.550	4.225	1.99860	.41021	-4.16151	.19212	.46835	.06597	.01541	.00452
	GRADIENT	-.00006	.11537	.00038	.05468	-.00160	.01123	.00205	.00111

RUN NO 20/ 0 RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00									
MACH	ALPHA	RN/L	L/DU	BETA	CLU	CDU	CNW	CBW	CTW
2.000	-7.722	1.99822	-.98004	-4.17251	-.47658	.48629	-.04041	-.00588	-.00691
2.000	-5.615	1.99822	-.78233	-4.16515	-.35100	.44867	-.02673	-.00341	-.00651
2.000	-3.514	1.99922	-.55536	-4.16071	-.23480	.42279	-.01034	-.00047	-.00592
2.000	-1.389	1.99857	-.30736	-4.15992	-.12527	.40758	.01003	.00325	-.00493
2.000	.700	1.99807	-.05294	-4.15740	-.02121	.40060	.03117	.00693	-.00322
2.000	2.772	1.99822	.19032	-4.15518	.07656	.40226	.05289	.01052	-.00015
2.000	4.864	1.99807	.42643	-4.15245	.17481	.40993	.06689	.01334	.00182
	GRADIENT	-.00002	.11767	.00102	.04882	-.00149	.00943	.00167	.00097

DATE 29 OCT 76

TABULATED SOURCE DATA - 1A94A.

PAGE 101

LARC UPWT 1152(1A94A) OTSAT130

(TJK009) (18 JUN 76)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT
 LREF = 1290.3000 INCHES YMRP = .0000 IN. YT
 BREF = 1290.3000 INCHES ZMRP = 400.0000 IN. ZT
 SCALE = .0100

PARAMETRIC DATA

BETA = .000 ELV-LI = .000
 ELV-LO = .000 ELV-RI = .000
 ELV-RO = .000

RUN NO. 13/ 0 RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	RN/L	L/DU	BETA	CLU	CDU	CNW	CBW	CTW
1.550	-8.440	1.99558	-.95579	-.01303	-.52198	.54613	-.06693	-.00924	-.00783
1.550	-6.298	1.99896	-.76628	-.01231	-.38554	.50313	-.04507	-.00531	-.00723
1.550	-4.208	1.98331	-.54546	-.01123	-.25989	.47644	-.01816	-.00057	-.00604
1.550	-2.066	1.98882	-.28423	-.01173	-.13136	.46216	.01167	.00491	-.00470
1.550	.039	2.00002	-.03811	-.01247	-.01743	.45728	.03969	.00992	-.00274
1.550	2.120	2.00144	.18884	-.01486	.08624	.45666	.06738	.01450	.00087
1.550	4.229	1.99949	.41240	-.01289	.19091	.46292	.08788	.01815	.00408
	GRADIENT	.00214	.11344	-.00031	.05315	-.00155	.01272	.00223	.00122

RUN NO 18/ 0 RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	RN/L	L/DU	BETA	CLU	CDU	CNW	CBW	CTW
2.000	-7.727	2.00018	-.97188	-.01240	-.47087	.48450	-.03175	-.00487	-.00734
2.000	-5.618	1.99837	-.77412	-.01255	-.34561	.44645	-.01767	-.00245	-.00668
2.000	-3.506	1.99682	-.56065	-.01299	-.23638	.42161	-.00129	.00022	-.00570
2.000	-1.412	1.99822	-.32364	-.01387	-.13146	.40620	.01692	.00332	-.00489
2.000	.690	2.00002	-.06492	-.01378	-.02592	.39932	.03651	.00675	-.00436
2.000	2.762	1.99942	.17491	-.01487	.06986	.39941	.05286	.00992	-.00416
2.000	4.871	1.99882	.42584	-.01498	.17237	.40477	.07260	.01351	-.00271
	GRADIENT	.00006	.11810	-.00024	.04868	-.00193	.00878	.00159	.00032

DATE 29 OCT 76

TABULATED SOURCE DATA - 1A94A.

PAGE 102

LARC UPWT 1152(1A94A) OTSAT130

(TJK010) (18 JUN 76)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT
 LREF = 1290.3000 INCHES YMRP = .0000 IN. YT
 BREF = 1290.3000 INCHES ZMRP = 400.0000 IN. ZT
 SCALE = .0100

PARAMETRIC DATA

BETA = 4.000 ELV-LI = .000
 ELV-LO = .000 ELV-RI = .000
 ELV-RO = .000

RUN NO. 16/ 0 RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5 00

MACH	ALPHA	RN/L	L/DU	BETA	CLU	CDU	CNW	CBW	CTW
1 550	-8 449	1 99931	-.97028	4.13957	-.53495	.55134	-.05870	-.00850	-.00954
1 550	-6 308	1 99985	-.76688	4.13347	-.39198	.51114	-.03737	-.00482	-.00889
1 550	-4 149	1 99949	-.53559	4.12741	-.25764	.48104	-.01112	-.00016	-.00820
1 550	-2 079	2 00002	-.29228	4.12499	-.13526	.46276	.01813	.00511	-.00711
1 550	.028	1 99967	-.04367	4.12332	-.01989	.45532	.05132	.01045	-.00467
1 550	2.127	1 99967	.19342	4.12235	.08811	.45552	.07652	.01512	-.00250
1 550	4.228	2 00056	.41829	4.12303	.19392	.46360	.09684	.01927	.00014
	GRADIENT	.00009	.11419	-.00054	.05374	-.00200	.01309	.00233	.00102

RUN NO. 21/ 0 RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	RN/L	L/DU	BETA	CLU	CDU	CNW	CBW	CTW
2.000	-7 717	1 99837	-.95772	4 15364	-.46489	.48541	-.02618	-.00431	-.00857
2.000	-5 614	1 99822	-.76697	4 14661	-.34342	.44776	-.01013	-.00176	-.00796
2.000	-3 506	1 99837	-.54442	4.14258	-.22970	.42192	.00449	.00066	-.00739
2 000	-1 395	1 99792	-.30224	4.13992	-.12300	.40696	.02134	.00341	-.00652
2.000	.683	1 99822	-.05138	4.13501	-.02060	.40090	.03740	.00628	-.00652
2.000	2 790	1 99822	.19908	4.13271	.07966	.40015	.05430	.00934	-.00633
2.000	4 875	1 99852	.43728	4.12927	.17821	.40754	.07277	.01263	-.00523
	GRADIENT	.00003	.11766	-.00161	.04862	-.00170	.00809	.00143	.00022

DATE 29 OCT 76

TABULATED SOURCE DATA - 1A94A.

PAGE 103

LARC UPWT 1152(1A94A) DTSAT130

(TJK011) (18 JUN 76)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT
 LREF = 1290.3000 INCHES YMRP = .0000 IN. YT
 BREF = 1290.3000 INCHES ZMRP = 400.0000 IN. ZT
 SCALE = 0100

PARAMETRIC DATA

BETA = 6.000 ELV-LI = .000
 ELV-LO = .000 ELV-RI = .000
 ELV-RO = .000

RUN NO. 17/ 0 RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5 00

MACH	ALPHA	RN/L	L/DU	BETA	CLU	CDU	CNW	CBW	CTW
1.550	-8.454	2.00020	-.98005	6.24679	-.53726	.54820	-.05980	-.00833	-.01088
1.550	-6.351	1.99985	-.77453	6.23773	-.39691	.51246	-.03675	-.00435	-.00997
1.550	-4.221	1.99985	-.55247	6.23052	-.26724	.48372	-.01322	-.00012	-.00940
1.550	-2.103	1.99985	-.30839	6.22394	-.14321	.46437	.01524	.00505	-.00880
1.550	.016	2.00020	-.04746	6.22098	-.02162	.45545	.04882	.01051	-.00626
1.550	.2119	2.00056	.19429	6.22020	.08876	.45683	.07993	.01557	-.00325
1.550	.4216	2.00038	.41580	6.21877	.19267	.46336	.10165	.01969	-.00019
	GRADIENT	.00008	.11563	-.00129	.05460	-.00229	.01396	.00238	.00114

RUN NO 22/ 0 RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5 00

MACH	ALPHA	RN/L	L/DU	BETA	CLU	CDU	CNW	CBW	CTW
2.000	-7.699	1.99912	-.96576	6.23495	-.46748	.48406	-.03040	-.00451	-.01066
2.000	-5.649	1.99927	-.78156	6.22960	-.35094	.44902	-.01399	-.00186	-.00974
2.000	-3.520	1.99927	-.55038	6.22147	-.23153	.42067	.00236	.00083	-.00876
2.000	-1.400	1.99927	-.29390	6.21711	-.11889	.40452	.01788	.00349	-.00828
2.000	.693	1.99912	-.04401	6.21282	-.01754	.39846	.03474	.00637	-.00771
2.000	.2774	1.99867	.20309	6.20893	.08103	.39899	.05072	.00921	-.00743
2.000	.4875	1.99912	.44968	6.20535	.18317	.40734	.07101	.01270	-.00611
	GRADIENT	-.00004	.11912	-.00193	.04910	-.00154	.00812	.00141	.00029

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DATE 29 OCT 76

TABULATED SOURCE DATA - 1A94A.

PAGE 104

LARC UPWT 1152(1A94A) OTSAT130

(TJK012) (18 JUN 76)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN XT
 LREF = 1290.3000 INCHES YMRP = .0000 IN YT
 BREF = 1290.3000 INCHES ZMRP = 400.0000 IN ZT
 SCALE = .0100

PARAMETRIC DATA

BETA = -5.000 ELV-LI = .000
 ELV-LO = -5.000 ELV-RI = .000
 ELV-RO = -5.000

RUN NO. 24/ 0 RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	RN/L	L/DU	BETA	CLU	CDU	CNW	CBW	CTW
2.000	-7.746	1.99852	-1.00600	-6.27919	-.49157	.48864	-.04899	-.00726	-.00454
2.000	-5.612	1.99761	-.80244	-6.26921	-.36276	.45206	-.03624	-.00483	-.00429
2.000	-3.525	1.99731	-.58299	-6.26375	-.24835	.42599	-.02028	-.00202	-.00373
2.000	-1.428	1.99656	-.34432	-6.26113	-.14148	.41089	.00096	.00163	-.00215
2.000	.689	1.99671	-.07877	-6.25686	-.03191	.40511	.01849	.00513	-.00125
2.000	2.770	1.99611	.16793	-6.25401	.06800	.40492	.03364	.00816	.00000
2.000	4.859	1.99611	.40349	-6.25181	.16578	.41085	.05319	.01109	.00311
	GRADIENT	-.00014	.11854	.00148	.04950	-.00173	.00857	.00156	.00075

LARC UPWT 1152(1A94A) OTSAT130

(TJK013) (18 JUN 76)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT
 LREF = 1290.3000 INCHES YMRP = .0000 IN. YT
 BREF = 1290.3000 INCHES ZMRP = 400.0000 IN. ZT
 SCALE = .0100

PARAMETRIC DATA

BETA = -4.000 ELV-LI = .000
 ELV-LO = -5.000 ELV-RI = .000
 ELV-RO = -5.000

RUN NO. 25/ 0 RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	RN/L	L/DU	BETA	CLU	CDU	CNW	CBW	CTW
2.000	-7.724	1.99535	-1.00094	-4.17426	-.48874	.48828	-.04781	-.00711	-.00561
2.000	-5.636	1.99716	-.81013	-4.16811	-.36554	.45121	-.03498	-.00472	-.00535
2.000	-3.516	2.00023	-.58483	-4.16508	-.24821	.42441	-.01899	-.00183	-.00479
2.000	-1.425	2.00259	-.34793	-4.16297	-.14230	.40897	.00138	.00182	-.00379
2.000	.668	2.00289	-.08905	-4.16052	-.03582	.40227	.02116	.00544	-.00255
2.000	2.771	2.00048	.16440	-4.15770	.06628	.40313	.04469	.00922	.00087
2.000	4.857	1.99656	.30870	-4.15543	.16378	.41078	.05926	.01205	.00288
	GRADIENT	-.00052	.11839	.00117	.04931	-.00158	.00954	.00168	.00096

DATE 29 OCT 76

TABULATED SOURCE DATA - 1A94A.

PAGE 105

LARC UPWT 1152(1A94A) OTSAT130

(TJK014) (18 JUN 76)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT
 LREF = 1290 3000 INCHES YMRP = .0000 IN. YT
 BREF = 1290 3000 INCHES ZMRP = 400 0000 IN. ZT
 SCALE = 0100

PARAMETRIC DATA

BETA = .000 ELV-L1 = .000
 ELV-LO = -5.000 ELV-R1 = .000
 ELV-RO = -5.000

RUN NO. 23/ 0 RN/L = 1.99 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	RN/L	L/DU	BETA	CLU	CDU	CNW	CBW	CTW
2.000	-7.731	2.00349	-.99287	-.01432	- 47960	.48305	- 03822	-.00613	-.00530
2.000	-5.639	2.00108	-.80661	-.01541	- 35960	.44582	-.02285	-.00359	-.00425
2.000	-3.526	1.99566	-.58531	-.01435	-.24575	.41987	- 00603	-.00086	-.00332
2.000	-1.414	1.99366	- 34725	-.01572	- 14067	.40509	.01088	.00206	- 00275
2.000	.680	1.99520	-.09710	- 01504	-.03874	.39896	.03054	.00550	-.00222
2.000	2.768	1.99309	.16004	-.01577	06386	.39903	.04651	.00877	-.00223
2.000	4.871	1.99189	.40062	-.01661	16209	.40458	.06594	.01215	-.00077
	GRADIENT	- 00048	11819	- 00022	04864	- 00175	.00856	.00156	.00027

LARC UPWT 1152(1A94A) OTSAT130

(TJK015) (18 JUN 76)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT
 LREF = 1290.3000 INCHES YMRP = .0000 IN. YT
 BREF = 1290.3000 INCHES ZMRP = 400.0000 IN. ZT
 SCALE = 0100

PARAMETRIC DATA

BETA = 4.000 ELV-L1 = .000
 ELV-LO = -5.000 ELV-R1 = .000
 ELV-RO = -5.000

RUN NO. 25/ 0 RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	RN/L	L/DU	BETA	CLU	CDU	CNW	CBW	CTW
2.000	-7.742	2.00093	-.98614	4.15225	- 48176	.48853	-.03477	- 00569	- 00757
2.000	-5.642	2.00078	-.79749	4.14603	-.35989	.45128	- 01873	- 00305	-.00712
2.000	-3.480	2.00123	-.57678	4.14205	-.24482	.42446	-.00365	-.00059	-.00651
2.000	-1.400	2.00153	- 34299	4.13833	- 14028	.40899	.01229	.00203	-.00577
2.000	.694	2.00093	-.08328	4.13556	-.03353	.40264	.02881	.00499	-.00582
2.000	2.805	2.00198	.16941	4.13069	.06814	.40223	.04656	.00810	-.00541
2.000	4.872	2.00138	.40818	4.12828	.16693	.40872	.06368	.01119	- 00441
	GRADIENT	.00004	.11872	-.00168	04934	- 00183	.00808	.00142	.00022

DATE 29 OCT 76

TABULATED SOURCE DATA - 1A94A.

PAGE 106

LARC UPWT 1152(1A94A) OTSAT130

(TJK016) (18 JUN 76)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT
 LREF = 1290.3000 INCHES YMRP = .0000 IN. YT
 BREF = 1290.3000 INCHES ZMRP = 400.0000 IN. ZT
 SCALE = .0100

PARAMETRIC DATA

BETA = 6.000 ELV-LI = .000
 ELV-LO = -5.000 ELV-RI = .000
 ELV-RO = -5.000

RUN NO		27/ 0	RN/L =	2.00	GRADIENT INTERVAL = -5.00/ 5.00				
MACH	ALPHA	RN/L	L/DU	BETA	CLU	CDU	CNW	CBW	CTW
2 000	-7.755	2 00123	-.99573	6.23668	-.48684	.48892	-.03897	-.00582	-.00981
2.000	-5.611	2 00138	-.80266	6.22639	-.36232	.45139	-.02203	-.00310	-.00914
2.000	-3.490	2.00198	-.57800	6.22324	-.24472	.42339	-.00660	-.00049	-.00830
2.000	-1.406	2 00153	-.33173	6.21806	-.13507	.40716	.00886	.00214	-.00761
2 000	.677	2.00213	-.08705	6.21386	-.03492	.40122	.02436	.00485	-.00728
2.000	2.776	2 00183	.16941	6.20940	.06792	.40094	.04214	.00790	-.00679
2.000	4.876	2.00259	.41130	6.20730	.16813	.40876	.06061	.01116	-.00576
	GRADIENT	.00007	.11857	-.00194	.04919	-.00169	.00802	.00139	.00028

LARC UPWT 1152(1A94A) OTSAT130

(TJK017) (18 JUN 76)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT
 LREF = 1290.3000 INCHES YMRP = .0000 IN. YT
 BREF = 1290.3000 INCHES ZMRP = 400.0000 IN. ZT
 SCALE = .0100

PARAMETRIC DATA

BETA = -6.000 ELV-LI = 10.000
 ELV-LO = -5.000 ELV-RI = 10.000
 ELV-RO = -5.000

RUN NO.		29/ 0	RN/L =	2.00	GRADIENT INTERVAL = -5.00/ 5.00				
MACH	ALPHA	RN/L	L/DU	BETA	CLU	CDU	CNW	CBW	CTW
1.550	-8.460	1.99576	-.94690	-6.29246	-.52371	.55308	-.05932	-.00992	-.00597
1.550	-6.335	1.99558	-.73093	-6.28264	-.37717	.51602	-.03728	-.00575	-.00504
1.550	-4.192	1.99522	-.49842	-6.27202	-.24284	.48721	-.01407	-.00126	-.00361
1.550	-2.091	1.99718	-.25075	-6.26969	-.11814	.47114	.00905	.00322	-.00197
1.550	.022	2.00216	.00275	-6.26632	.00128	.46489	.03432	.00781	.00006
1.550	2.129	2.00287	.23143	-6.26584	.10834	.46815	.05502	.01160	.00207
1.550	4.223	2.00233	.45276	-6.26434	.21499	.47484	.07227	.01489	.00340
	GRADIENT	.00095	.11328	.00091	.05426	-.00132	.01039	.00193	.00086

DATE 29 OCT 76

TABULATED SOURCE DATA - 1A94A.

PAGE 107

LARC UPWT 1152(1A94A) OTSAT130

(TJK017) (18 JUN 76)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT
 LREF = 1290.3000 INCHES YMRP = 0000 IN. YT
 BREF = 1290.3000 INCHES ZMRP = 400 0000 IN. ZT
 SCALE = .0100

PARAMETRIC DATA

BETA = -6.000 ELV-LI = 10.000
 ELV-LO = -5.000 ELV-RI = 10.000
 ELV-RO = -5.000

RUN NO	34/ 0	RN/L =	2.00	GRADIENT	INTERVAL =	-5.00/	5.00			
MACH	ALPHA	RN/L	L/DU	BETA	CLU	CDU	CNW	CBW	CTW	
2 000	-7.748	1.99340	-.97243	-6.27373	-.47676	.49028	-.02656	-.00534	-.00776	
2 000	-5.631	1.99430	-.77822	-6.26759	-.35302	.45363	-.01430	-.00304	-.00725	
2.000	-3.526	1.99897	-.55597	-6.26197	-.23798	.42804	.00119	-.00026	-.00663	
2.000	-1.431	1.99897	-.31132	-6.25899	-.12826	.41200	.02195	.00336	-.00523	
2.000	.676	1.99957	-.05732	-6.25407	-.02327	.40599	.03853	.00678	-.00453	
2 000	2.779	1.99897	.19586	-6.25253	.07974	.40711	.05404	.00981	-.00296	
2 000	4.864	1.99912	.42714	-6.25125	.17637	.41290	.07264	.01265	.00001	
	GRADIENT	.00001	.11784	.00133	.04939	-.00168	.00834	.00154	.00074	

LARC UPWT 1152(1A94A) OTSAT130

(TJK018) (18 JUN 76)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT
 LREF = 1290.3000 INCHES YMRP = 0000 IN. YT
 BREF = 1290.3000 INCHES ZMRP = 400 0000 IN. ZT
 SCALE = .0100

PARAMETRIC DATA

BETA = -4.000 ELV-LI = 10.000
 ELV-LO = -5.000 ELV-RI = 10.000
 ELV-RO = -5.000

RUN NO.	30/ 0	RN/L =	2.00	GRADIENT	INTERVAL =	-5.00/	5.00			
MACH	ALPHA	RN/L	L/DU	BETA	CLU	CDU	CNW	CBW	CTW	
1.550	-8.462	2.00304	-.93316	-4.20424	-.51703	.55406	-.05582	-.00953	-.00749	
1 550	-6.332	2.00251	-.72409	-4.19180	-.37296	.51508	-.03282	-.00524	-.00698	
1.550	-4.220	2.00213	-.50727	-4.18701	-.24725	.48742	-.00951	-.00080	-.00611	
1 550	-2.089	2.00216	-.25989	-4.18407	-.12187	.46893	.01799	.00434	-.00401	
1 550	.019	2.00304	-.00245	-4.18186	-.00113	.46205	.04267	.00914	-.00199	
1.550	2.128	2.00269	.23554	-4.18336	.10947	.46474	.06546	.01308	.00104	
1 550	4.235	2.00304	.45413	-4.18446	.21484	.47307	.08345	.01645	.00286	
	GRADIENT	.00011	.11447	.00028	.05470	-.00156	.01105	.00205	.00109	

DATE 29 OCT 76

TABULATED SOURCE DATA - 1A94A.

PAGE 108

LARC UPWT 1152(1A94A) OTSAT130

(TJK018) (18 JUN 76)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT
 LREF = 1290.3000 INCHES YMRP = .0000 IN. YT
 BREF = 1290.3000 INCHES ZMRP = 400.0000 IN. ZT
 SCALE = .0100

PARAMETRIC DATA

BETA = -4.000 ELV-LI = 10.000
 ELV-LO = -5.000 ELV-RI = 10.000
 ELV-RO = -5.000

RUN NO. 35/ 0 RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	RN/L	L/DU	BETA	CLU	CDU	CNW	CBW	CTW
2.000	-7.732	1.99822	-.97364	-4.19305	-.47685	.48976	-.02390	-.00507	-.00848
2.000	-5.653	1.99897	-.77718	-4.18379	-.35197	.45288	-.01116	-.00257	-.00815
2.000	-3.521	1.99927	-.55399	-4.18265	-.23633	.42660	.00332	.00009	-.00763
2.000	-1.413	1.93897	-.30900	-4.18031	-.12689	.41067	.02368	.00372	-.00656
2.000	.686	1.99897	-.05513	-4.17767	-.02229	.40424	.04305	.00726	-.00541
2.000	2.786	1.99942	.19545	-4.17399	.07918	.40512	.06521	.01089	-.00230
2.000	4.872	1.99987	.42428	-4.17242	.17526	.41307	.07872	.01366	-.00044
	GRADIENT	00008	.11728	.00128	04905	-.00156	00917	00164	.00089

LARC UPWT 1152(1A94A) OTSAT130

(TJK019) (18 JUN 76)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT
 LREF = 1290.3000 INCHES YMRP = .0000 IN. YT
 BREF = 1290.3000 INCHES ZMRP = 400.0000 IN. ZT
 SCALE = .0100

PARAMETRIC DATA

BETA = .000 ELV-LI = 10.000
 ELV-LO = -5.000 ELV-RI = 10.000
 ELV-RO = -5.000

RUN NO. 28/ 0 RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	RN/L	L/DU	BETA	CLU	CDU	CNW	CBW	CTW
1.550	-8.415	1.99985	-.90119	-.01690	-.49653	.55097	-.04636	-.00791	-.00886
1.550	-6.310	1.99913	-.70957	-.01557	-.36281	.51132	-.02512	-.00404	-.00831
1.550	-4.194	1.99860	-.49366	-.01333	-.23844	.48301	.00063	.00049	-.00744
1.550	-2.082	1.99825	-.24257	-.01363	-.11336	.46734	.02932	.00579	-.00611
1.550	.028	1.99771	.00742	-.01600	.00342	.46094	.05690	.01079	-.00399
1.550	2.123	1.99825	.23410	-.01464	.10816	.46202	.08509	.01535	-.00025
1.550	4.227	1.99718	.44728	-.01547	.20978	.46902	.10550	.01902	.00317
	GRADIENT	-.00014	.11207	-.00025	.05312	-.00158	.01262	.00222	.00129

DATE 29 OCT 76

TABULATED SOURCE DATA - 1A94A.

PAGE 109

LARC UPWT 1152(1A94A) OTSAT130

(TJK019) (18 JUN 76)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT
 LREF = 1290.3000 INCHES YMRP = 0000 IN. YT
 BREF = 1290.3000 INCHES ZMRP = 400.0000 IN. ZT
 SCALE = .0100

PARAMETRIC DATA

BETA = .000 ELV-LI = 10.000
 ELV-LO = -5.000 ELV-RI = 10.000
 ELV-RO = -5.000

RUN NO. 33/ 0 RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	RN/L	L/DU	BETA	CLU	CDU	CNW	CBW	CTW
2.000	-7.716	2.00289	-.95192	-.01164	-.46521	.48871	-.01866	-.00412	-.01056
2.000	-5.616	2.00244	-.76949	-.01164	-.34691	.45084	-.00331	-.00160	-.00936
2.000	-3.519	1.99686	-.55509	-.01372	-.23623	.42557	.01343	.00105	-.00800
2.000	-1.415	1.99596	-.32196	-.01266	-.13220	.41060	.03122	.00402	-.00722
2.000	.689	1.99746	-.06170	-.01330	-.02496	.40454	.05122	.00749	-.00650
2.000	2.770	1.99776	.18129	-.01479	.07328	.40423	.06623	.01052	-.00662
2.000	4.867	1.99761	.42205	-.01318	.17311	.41016	.08552	.01389	-.00502
	GRADIENT	.00016	.11727	-.00005	.04887	-.00178	.00855	.00154	.00031

LARC UPWT 1152(1A94A) OTSAT130

(TJK020) (18 JUN 76)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT
 LREF = 1290.3000 INCHES YMRP = 0000 IN. YT
 BREF = 1290.3000 INCHES ZMRP = 400.0000 IN. ZT
 SCALE = .0100

PARAMETRIC DATA

BETA = 4.000 ELV-LI = 10.000
 ELV-LO = -5.000 ELV-RI = 10.000
 ELV-RO = -5.000

RUN NO. 31/ 0 RN/L = 2.01 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	RN/L	L/DU	BETA	CLU	CDU	CNW	CBW	CTW
1.550	-8.452	2.00642	-.92973	4.15724	-.51608	.55509	-.03717	-.00717	-.01210
1.550	-6.337	2.00696	-.73043	4.14995	-.37725	.51648	-.01724	-.00365	-.01182
1.550	-4.196	2.00642	-.50626	4.14544	-.24623	.48638	.00615	.00067	-.01134
1.550	-2.078	2.00624	-.25793	4.14130	-.12056	.46739	.03703	.00609	-.00982
1.550	.028	2.00660	-.00782	4.14120	-.00359	.45966	.06866	.01122	-.00734
1.550	2.132	2.00660	.22723	4.13976	.10464	.46048	.09460	.01597	-.00490
1.550	4.230	2.00624	.44269	4.13930	.20724	.46813	.11399	.02007	-.00241
	GRADIENT	.00000	.11315	-.00066	.05376	-.00207	.01298	.00231	.00108

LARC UPWT 1152(1A94A) OTSAT130

(TJK020) (18 JUN 76)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976 0000 IN. XT
 LREF = 1290.3000 INCHES YMRP = .0000 IN. YT
 BREF = 1290.3000 INCHES ZMRP = 400.0000 IN. ZT
 SCALE = .0100

PARAMETRIC DATA

BETA = 4.000 ELV-L1 = 10.000
 ELV-LO = -5.000 ELV-R1 = 10.000
 ELV-RO = -5.000

RUN NO. 36/ 0 RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	RN/L	L/DU	BETA	CLU	CDU	CNW	CBW	CTW
2.000	-7.744	1.99972	-.95871	4.15294	-.46848	.48866	-.07886	-.00334	-.01145
2.000	-5.619	1.99972	-.76135	4.14632	-.34397	.45178	.00666	-.00074	-.01089
2.000	-3.505	1.99957	-.53828	4.14284	-.22955	.42645	.02124	.00167	-.01024
2.000	-1.420	1.99972	-.30174	4.13954	-.12402	.41102	.03669	.00428	-.00954
2.000	.681	1.99942	-.05213	4.13518	-.02109	.40449	.05277	.00710	-.00960
2.000	2.770	1.99957	.20236	4.13152	.08177	.40408	.06871	.01003	-.00947
2.000	4.870	2.00018	.44744	4.13009	.18414	.41154	.08662	.01325	-.00819
	GRADIENT	.00005	.11822	-.00160	.04934	-.00175	.00777	.00138	.00020

LARC UPWT 1152(1A94A) OTSAT130

(TJK021) (18 JUN 76)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT
 LREF = 1290.3000 INCHES YMRP = .0000 IN. YT
 BREF = 1290.3000 INCHES ZMRP = 400.0000 IN. ZT
 SCALE = .0100

PARAMETRIC DATA

BETA = 6.000 ELV-L1 = 10.000
 ELV-LO = -5.000 ELV-R1 = 10.000
 ELV-RO = -5.000

RUN NO. 32/ 0 RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	RN/L	L/DU	BETA	CLU	CDU	CNW	CBW	CTW
1.550	-8.442	2.00660	-.93693	6.26419	-.51524	.54992	-.03771	-.00694	-.01382
1.550	-6.319	2.00642	-.73272	6.25568	-.37663	.51401	-.01565	-.00310	-.01304
1.550	-4.201	2.00553	-.50838	6.24938	-.24664	.48514	.00821	.00119	-.01244
1.550	-2.085	2.00553	-.26686	6.24412	-.12463	.46702	.03512	.00609	-.01157
1.550	.022	2.00553	.00245	6.24014	.00112	.45874	.06853	.01166	-.00905
1.550	2.123	2.00518	.23524	6.23907	.10832	.46045	.09770	.01656	-.00612
1.550	4.231	2.00500	.45428	6.23774	.21259	.46797	.11940	.02070	-.00328
	GRADIENT	-.00007	.11520	-.00134	.05464	-.00194	.01352	.00235	.00113

DATE 29 OCT 76

TABULATED SOURCE DATA - 1A94A.

PAGE 111

LARC UPWT 1152(1A94A) OTSAT130

(TJK021) (18 JUN 76)

REFERENCE DATA

SREF = 2690.0000 SQ FT XMRP = 976.0000 IN. XT
 LREF = 1290.3000 INCHES YMRP = .0000 IN. YT
 BREF = 1290.3000 INCHES ZMRP = 400.0000 IN. ZT
 SCALE = .0100

PARAMETRIC DATA

BETA = 6.000 ELV-L1 = 10.000
 ELV-LO = -5.000 ELV-R1 = 10.000
 ELV-RO = -5.000

RUN NO. 37/ 0 RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	RN/L	L/DU	BETA	CLU	CDU	CNW	CBW	CTW
2 000	-7.729	1 99972	-.95609	6.23696	-.46505	.48642	-.01076	-.00320	-.01352
2 000	-5.638	1 99972	-.77515	6.22905	-.34926	.45057	.00381	-.00076	-.01288
2.000	-3.518	1 99957	-.54415	6.22179	-.23073	.42402	.01921	.00180	-.01189
2.000	-1.409	1 99912	-.29207	6.21755	-.11912	.40783	.03378	.00438	-.01148
2.000	.679	2 00002	-.04475	6.21313	-.01796	.40125	.04880	.00705	-.01118
2.000	2.773	1 99987	.21618	6.20842	.08684	.40172	.05522	.00997	-.01093
2 000	4.871	2 00018	.44961	6.20551	.18438	.41010	.08365	.01317	-.00957
	GRADIENT	00009	11907	-.00199	04944	-.00162	00765	00135	00024

LARC UPWT 1152(1A94A) OTSAT130

(TJK022) (18 JUN 76)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT
 LREF = 1290.3000 INCHES YMRP = .0000 IN. YT
 BREF = 1290.3000 INCHES ZMRP = 400.0000 IN. ZT
 SCALE = .0100

PARAMETRIC DATA

BETA = -6.000 ELV-L1 = 10.000
 ELV-LO = 2.000 ELV-R1 = 10.000
 ELV-RO = 2.000

RUN NO 39/ 0 RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	RN/L	L/DU	BETA	CLU	CDU	CNW	CBW	CTW
1.550	-8.462	2.00038	-.92831	-6.28832	-.51172	.55124	-.06462	-.00878	-.01054
1.550	-6.337	2.00038	-.71589	-6.27661	-.36886	.51525	-.04353	-.00477	-.00956
1.550	-4.207	2.00020	-.48447	-6.27075	-.23612	.48739	-.02133	-.00042	-.00817
1.550	-2.061	1.99985	-.23414	-6.26682	-.11027	.47095	.00213	.00418	-.00638
1.550	.037	1.99949	.01392	-6.26156	.00648	.46546	.02741	.00869	-.00405
1.550	2.136	1.99949	.24477	-6.26344	.11172	.46869	.04774	.01241	-.00214
1.550	4.223	1 99967	.45622	-6.26187	.21766	.47709	.06536	.01560	-.00026
	GRADIENT	-00007	11210	00101	.05379	-.00110	.01040	.00191	00095

DATE 29 OCT 76

TABULATED SOURCE DATA - 1A94A.

PAGE 112

LARC UPWT 1152(1A94A) OTSAT130

(TJK022) (18 JUN 76)

REFERENCE DATA

SREF = 2690.0000 SQ FT. XMRP = 976.0000 IN XT
 LREF = 1290.3000 INCHES YMRP = .0000 IN YT
 BREF = 1290.3000 INCHES ZMRP = 400.0000 IN. ZT
 SCALE = .0100

PARAMETRIC DATA

BETA = -6.000 ELV-LI = 10.000
 ELV-LO = 2.000 ELV-RI = 10.000
 ELV-RO = 2.000

RUN NO. 44/ 0 RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	RN/L	L/DU	BETA	CLU	CDU	CNW	CBW	CTW
2.000	-7.717	1.99656	-.91771	-6.27185	-.44688	.48695	-.03370	-.00463	-.00958
2.000	-5.601	1.99611	-.72250	-6.26387	-.32675	.45226	-.02234	-.00246	-.00928
2.000	-3.513	1.99596	-.49869	-6.25939	-.21313	.42738	-.00638	.00038	-.00872
2.000	-1.417	1.99566	-.25495	-6.25491	-.10500	.41186	.01570	.00421	-.00694
2.000	.694	1.99731	.00010	-6.25090	.00004	.40719	.03054	.00747	-.00674
2.000	2.785	1.99807	.24342	-6.24850	.09950	.40877	.04786	.01054	-.00471
2.000	4.886	1.99882	.47784	-6.24806	.19874	.41591	.06547	.01337	-.00176
	GRADIENT	00039	.11674	.00138	.04896	-.00124	.00837	.00154	.00077

LARC UPWT 1152(1A94A) OTSAT130

(TJK023) (18 JUN 76)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN XT
 LREF = 1290.3000 INCHES YMRP = .0000 IN YT
 BREF = 1290.3000 INCHES ZMRP = 400.0000 IN. ZT
 SCALE = .0100

PARAMETRIC DATA

BETA = -4.000 ELV-LI = 10.000
 ELV-LO = 2.000 ELV-RI = 10.000
 ELV-RO = 2.000

RUN NO. 40/ 0 RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	RN/L	L/DU	BETA	CLU	CDU	CNW	CBW	CTW
1.550	-8.442	1.99878	-.91218	-4.17832	-.50384	.55234	-.06202	-.00838	-.01172
1.550	-6.350	1.99842	-.71398	-4.16957	-.36763	.51491	-.04080	-.00441	-.01119
1.550	-4.193	1.99873	-.48559	-4.16782	-.23643	.48689	-.01573	.00024	-.00975
1.550	-2.106	1.99850	-.24273	-4.16211	-.11402	.46975	.01007	.00514	-.00800
1.550	.023	1.99825	.01470	-4.15964	.00681	.46319	.03661	.01011	-.00562
1.550	2.136	1.99860	.24404	-4.16285	.11382	.46638	.05806	.01380	-.00253
1.550	4.216	1.99825	.45477	-4.15970	.21606	.47510	.07701	.01712	-.00033
	GRADIENT	-.00005	.11243	.00074	.05379	-.00128	.01109	.00201	.00115

DATE 29 OCT 76

TABULATED SOURCE DATA - 1A94A.

PAGE 113

LARC UPWT 1152(1A94A) OTSAT130

(TJK023) (18 JUN 76)

REFERENCE DATA

SREF = 2690.0000 SQ FT. XMRP = 976.0000 IN. XT
 LREF = 1290.3000 INCHES YMRP = .0000 IN. YT
 BREF = 1290.3000 INCHES ZMRP = 400.0000 IN. ZT
 SCALE = .0100

PARAMETRIC DATA

BETA = -4.000 ELV-LI = 10.000
 ELV-LO = 2.000 ELV-RI = 10.000
 ELV-RO = 2.000

RUN NO. 45/ 0 RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	RN/L	L/DU	BETA	CLU	CDU	CNW	CBW	CTW
2.000	-7.718	1.99882	-.92104	-4.17296	-.44842	.48686	-.03100	-.00432	-.01060
2.000	-5.610	1.99897	-.72437	-4.16428	-.32638	.45057	-.01916	-.00209	-.01033
2.000	-3.495	1.99867	-.49253	-4.16109	-.20953	.42541	-.00333	.00088	-.00965
2.000	-1.397	1.99912	-.25243	-4.15933	-.10363	.41051	.01700	.00448	-.00842
2.000	.699	1.99867	-.00709	-4.15806	-.00287	.40516	.03681	.00799	-.00702
2.000	2.779	1.99807	.24023	-4.15498	.09772	.40680	.05898	.01165	-.00385
2.000	4.878	1.99837	.47521	-4.15102	.19767	.41596	.07340	.01454	-.00185
	GRADIENT	-.00008	.11606	.00117	.04855	-.00108	.00934	.00165	.00096

LARC UPWT 1152(1A94A) OTSAT130

(TJK024) (18 JUN 76)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT
 LREF = 1290.3000 INCHES YMRP = .0000 IN. YT
 BREF = 1290.3000 INCHES ZMRP = 400.0000 IN. ZT
 SCALE = .0100

PARAMETRIC DATA

BETA = .000 ELV-LI = 10.000
 ELV-LO = 2.000 ELV-RI = 10.000
 ELV-RO = 2.000

RUN NO. 38/ 0 RN/L = 1.99 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	RN/L	L/DU	BETA	CLU	CDU	CNW	CBW	CTW
1.550	-8.440	2.00020	-.89889	-.01073	-.49641	.55224	-.05182	-.00696	-.01313
1.550	-6.317	2.01033	.70721	-.01211	-.36266	.51281	-.03132	-.00330	-.01249
1.550	-4.191	2.01473	-.47502	-.01179	-.22950	.48314	-.00526	.00150	-.01188
1.550	-2.074	2.01958	-.22895	-.01230	-.10720	.46825	.02269	.00670	-.01058
1.550	.014	2.01460	.01072	-.01378	.00492	.45917	.04873	.01145	-.00852
1.550	2.119	2.00198	.24613	-.01389	.11326	.46016	.07670	.01614	-.00490
1.550	4.224	1.98527	.46051	-.01227	.21667	.47050	.09784	.01985	-.00134
	GRADIENT	-.00364	.11160	-.00012	.05293	-.00159	.01238	.00219	.00127

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DATE 29 OCT 76

TABULATED SOURCE DATA - 1A94A.

PAGE 114

LARC UPWT 1152(1A94A) OTSAT130

(TJK024) (18 JUN 76)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT
 LREF = 1290.3000 INCHES YMRP = .0000 IN. YT
 BREF = 1290.3000 INCHES ZMRP = 400.0000 IN. ZT
 SCALE = .0100

PARAMETRIC DATA

BETA = .000 ELV-L1 = 10.000
 ELV-LO = 2.000 ELV-R1 = 10.000
 ELV-RO = 2.000

RUN NO. 43/ 0 RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	RN/L	L/DU	BETA	CLU	CDU	CNW	CBW	CTW
2.000	-7.719	2.00018	-.89365	-.01126	-.43146	.48280	-.02309	-.00319	-.01204
2.000	-5.604	1.99068	-.71126	-.01154	-.31877	.44818	-.00865	-.00082	-.01102
2.000	-3.507	1.99385	-.49604	-.01050	-.21040	.42417	.00771	.00180	-.00980
2.000	-1.380	1.99596	-.25689	-.01276	-.10549	.41064	.02547	.00488	-.00909
2.000	.693	1.99897	-.01149	-.01370	-.00467	.40622	.04414	.00823	-.00876
2.000	2.781	2.00078	.23326	-.01326	.09450	.40512	.06089	.01140	-.00851
2.000	4.892	2.00033	.47816	-.01365	.19663	.41122	.08007	.01492	-.00680
	GRADIENT	.00085	.11635	-.00032	.04838	-.00150	.00859	.00156	.00031

LARC UPWT 1152(1A94A) OTSAT130

(TJK025) (18 JUN 76)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT
 LREF = 1290.3000 INCHES YMRP = .0000 IN. YT
 BREF = 1290.3000 INCHES ZMRP = 400.0000 IN. ZT
 SCALE = .0100

PARAMETRIC DATA

BETA = 4.000 ELV-L1 = 10.000
 ELV-LO = 2.000 ELV-R1 = 10.000
 ELV-RO = 2.000

RUN NO. 41/ 0 RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	RN/L	L/DU	BETA	CLU	CDU	CNW	CBW	CTW
1.550	-8.428	1.99753	-.90866	4.15867	-.50283	.55338	-.04321	-.00608	-.01542
1.550	-6.322	1.99753	-.70863	4.15227	-.36584	.51626	-.02278	-.00255	-.01489
1.550	-4.161	1.99793	-.48316	4.14550	-.23513	.48664	.00071	.00176	-.01433
1.550	-2.074	1.99753	-.23552	4.14278	-.11035	.46854	.03082	.00713	-.01295
1.550	.032	1.99736	.01102	4.13994	.00508	.46144	.06210	.01226	-.01036
1.550	2.134	1.99771	.24863	4.14314	.11501	.46258	.08814	.01703	-.00791
1.550	4.246	1.99789	.46396	4.14043	.21867	.47132	.10848	.02111	-.00504
	GRADIENT	.00001	.11313	-.00046	.05389	-.00174	.01298	.00231	.00112

DATE 29 OCT 76

TABULATED SOURCE DATA - 1A94A.

PAGE 115

LARC UPWT 1152(1A94A) OTSAT130

(TJK025) (18 JUN 76)

REFERENCE DATA

PARAMETRIC DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT
 LREF = 1290.3000 INCHES YMRP = .0000 IN. YT
 BREF = 1290.3000 INCHES ZMRP = 400.0000 IN. ZT
 SCALE = .0100

BETA = 4.000 ELV-L1 = 10.000
 ELV-LO = 2.000 ELV-R1 = 10.000
 ELV-RO = 2.000

RUN NO. 46/ 0 RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	RN/L	L/DU	BETA	CLU	CDU	CNW	CBW	CTW
2.000	-7.716	1.99807	- .89885	4.15193	-.43641	.48552	-.01463	-.00250	-.01325
2.000	-5.599	1.99807	-.70543	4.14707	-.31760	.45022	.00087	.00002	-.01247
2.000	-3.490	1.99807	-.48543	4.14243	-.20661	.42562	.01501	.00236	-.01185
2.000	-1.409	1.99822	-.25662	4.13991	-.10559	.41147	.03048	.00490	-.01107
2.000	.706	1.99792	.00286	4.13533	.00116	.40554	.04657	.00784	-.01129
2.000	2.784	1.99761	.25484	4.13270	.10333	.40546	.06347	.01087	-.01109
2.000	4.873	1.99792	.48728	4.12948	.20169	.41390	.08091	.01410	-.00979
	GRADIENT	-.00004	.11745	-.00158	.04902	-.00141	.00788	.00141	.00020

LARC UPWT 1152(1A94A) OTSAT130

(TJK026) (18 JUN 76)

REFERENCE DATA

PARAMETRIC DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT
 LREF = 1290.3000 INCHES YMRP = .0000 IN. YT
 BREF = 1290.3000 INCHES ZMRP = 400.0000 IN. ZT
 SCALE = .0100

BETA = 6.000 ELV-L1 = 10.000
 ELV-LO = 2.000 ELV-R1 = 10.000
 ELV-RO = 2.000

RUN NO. 42/ 0 RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	RN/L	L/DU	BETA	CLU	CDU	CNW	CBW	CTW
1.550	-8.434	1.99789	- .91377	6.24535	-.50096	.54824	-.04338	-.00582	-.01683
1.550	-6.320	1.99771	-.71246	6.23447	-.36612	.51388	-.02168	-.00206	-.01600
1.550	-4.173	1.99825	-.49010	6.22961	-.23812	.48585	.00136	.00212	-.01539
1.550	-2.069	1.99825	-.23308	6.22589	-.10907	.46793	.03059	.00741	-.01429
1.550	.037	1.99842	.01700	6.21985	.00783	.46068	.06184	.01256	-.01170
1.550	2.126	1.99807	.24788	6.22114	.11473	.46286	.09155	.01748	-.00858
1.550	4.232	1.99878	.46186	6.21888	.21738	.47066	.11379	.02156	-.00567
	GRADIENT	.00004	.11354	-.00125	.05403	-.00169	.01361	.00233	.00120

LARC UPWT 1152(1A94A) OTSAT130

(TJK026) (18 JUN 76)

REFERENCE DATA

SREF = 2690.0000 SQ FT XMRP = 976.0000 IN. XT
 LREF = 1290.3000 INCHES YMRP = .0000 IN. YT
 BREF = 1290.3000 INCHES ZMRP = 400.0000 IN. ZT
 SCALE = .0100

PARAMETRIC DATA

BETA = 6.000 ELV-LI = 10.000
 ELV-LO = 2.000 ELV-RI = 10.000
 ELV-RO = 2.000

RUN NO. 47/ 0 RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	RN/L	L/DU	BETA	CLU	CDU	CNW	CBW	CTW
2.000	-7.704	1.99792	-.91207	6.23685	-.44114	.48367	-.01659	-.00246	-.01503
2.000	-5.639	1.99776	-.72349	6.22974	-.32475	.44886	-.00154	00005	-.01435
2.000	-3.490	1.99776	-.48982	6.22227	-.20705	.42270	.01343	.00262	-.01355
2.000	-1.401	1.99746	-.24930	6.21804	-.10162	.40762	.02756	.00504	-.01302
2.000	.691	1.99776	.01513	6.21129	.00609	.40233	.04440	00794	-.01244
2.000	2.799	1.99761	.25675	6.20867	.10353	.40322	.06043	01079	-.01237
2.000	4.894	1.99746	.49905	6.20647	.20583	.41244	.07926	01420	-.01097
	GRADIENT	-.00002	.11845	-.00195	.04916	-.00119	.00785	00138	.00028

LARC UPWT 1152(1A94A) OTSAT130

(TJK027) (18 JUN 76)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN XT
 LREF = 1290.3000 INCHES YMRP = .0000 IN YT
 BREF = 1290.3000 INCHES ZMRP = 400.0000 IN. ZT
 SCALE = .0100

PARAMETRIC DATA

BETA = -6.000 ELV-LI = 10.000
 ELV-LO = -10.000 ELV-RI = 10.000
 ELV-RO = -10.000

RUN NO. 49/ 0 RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	RN/L	L/DU	BETA	CLU	CDU	CNW	CBW	CTW
1.550	-8.449	1.99771	-.94741	-6.28833	-.52483	.55396	-.07342	-.01161	-.00716
1.550	-6.335	1.99718	-.74217	-6.27670	-.38396	.51734	-.05267	-.00754	-.00676
1.550	-4.227	1.99853	-.52542	-6.27091	-.25725	.48961	-.02993	-.00319	-.00514
1.550	-2.090	2.00020	-.26823	-6.26795	-.12677	.47160	-.00514	.00159	-.00304
1.550	.029	2.00109	-.01609	-6.26686	-.00749	.46542	.01972	.00616	-.00105
1.550	2.126	2.00144	.22113	-6.26502	.10351	.46812	.04050	01003	.00074
1.550	4.227	2.00162	.43339	-6.26623	.20610	.47556	.05817	.01334	.00225
	GRADIENT	00035	.11396	.00058	.05477	-.00150	.01050	.00197	.00088

DATE 29 OCT 76

TABULATED SOURCE DATA - 1A94A.

PAGE 117

LARC UPWT 1152(1A94A) OTSAT130

(TJK027) (18 JUN 76)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT
 LREF = 1290.3000 INCHES YMRP = .0000 IN. YT
 BREF = 1290.3000 INCHES ZMRP = 400.0000 IN. ZT
 SCALE = .0100

PARAMETRIC DATA

BETA = -6.000 ELV-LI = 10.000
 ELV-LO = -10.000 ELV-RI = 10.000
 ELV-RO = -10.000

RUN NO. 54/ 0 RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	RN/L	L/DU	BETA	CLU	CDU	CNW	CBW	CTW
2.000	-7.738	1.99897	-.95376	-6.27545	-.47119	.49403	-.04037	-.00651	-.00769
2.000	-5.645	2.00183	-.76824	-6.26897	-.35193	.45810	-.02897	-.00433	-.00737
2.000	-3.516	2.00244	-.53809	-6.26319	-.23155	.43032	-.01261	-.00139	-.00578
2.000	-1.422	2.00259	-.30316	-6.25736	-.12564	.41444	.00810	.00218	-.00524
2.000	.681	2.00228	-.05025	-6.25675	-.02055	.40905	.02557	.00551	-.00410
2.000	2.727	2.00244	.19565	-6.25352	.08018	.40980	.03929	.00845	-.00311
2.000	4.860	1.99731	.42669	-6.25068	.17700	.41483	.05798	.01141	-.00017
	GRADIENT	-.00050	.11618	.00138	.04894	-.00170	.00825	.00152	.00074

LARC UPWT 1152(1A94A) OTSAT130

(TJK028) (18 JUN 76)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT
 LREF = 1290.3000 INCHES YMRP = .0000 IN. YT
 BREF = 1290.3000 INCHES ZMRP = 400.0000 IN. ZT
 SCALE = .0100

PARAMETRIC DATA

BETA = -4.000 ELV-LI = 10.000
 ELV-LO = -10.000 ELV-RI = 10.000
 ELV-RO = -10.000

RUN NO. 50/ 0 RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	RN/L	L/DU	BETA	CLU	CDU	CNW	CBW	CTW
1.550	-8.464	2.00020	-.94464	-4.17674	-.52656	.55742	-.07016	-.01123	-.00835
1.550	-6.335	1.99967	-.74452	-4.17315	-.38582	.51821	-.04936	-.00714	-.00823
1.550	-4.208	1.99913	-.51831	-4.16529	-.25334	.48878	-.02337	.00230	-.00588
1.550	-2.096	1.99931	-.27178	-4.16293	-.12775	.47003	.00288	.00270	-.00510
1.550	.028	1.99896	-.01938	-4.16184	-.00898	.46309	.02805	.00750	-.00283
1.550	2.118	1.99896	.21556	-4.16083	.10024	.46504	.05094	.01152	-.00008
1.550	4.238	1.99913	.43196	-4.16122	.20468	.47384	.07027	.01495	.00228
	GRADIENT	-.00005	.11314	.00049	.05421	-.00165	.01115	.00205	.00111

DATE 29 OCT 76

TABULATED SOURCE DATA - 1A94A.

PAGE 118

LARC UPWT 1152(1A94A) OTSAT130

(TJK028) (18 JUN 76)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT
 LREF = 1290.3000 INCHES YMRP = .0000 IN. YT
 BREF = 1290.3000 INCHES ZMRP = 400.0000 IN. ZT
 SCALE = .0100

PARAMETRIC DATA

BETA = -4.000 ELV-L1 = 10.000
 ELV-LO = -10.000 ELV-R1 = 10.000
 ELV-RO = -10.000

RUN NO 55/ 0 RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	RN/L	L/DU	BETA	CLU	CDU	CNW	CBW	CTW
2.000	-7.729	1.99686	-.95468	-4.17189	-.47076	.49311	-.03690	-.00619	-.00829
2.000	-5.640	1.99746	-.77273	-4.16604	-.35275	.45650	-.02550	-.00401	-.00835
2.000	-3.496	1.99701	-.53510	-4.16186	-.22957	.42902	-.00965	-.00104	-.00737
2.000	-1.415	1.99701	-.29933	-4.16056	-.12358	.41287	.00987	.00247	-.00650
2.000	.701	1.99716	-.04941	-4.15901	-.02006	.40590	.02880	.00593	-.00532
2.000	2.791	1.99701	.19620	-4.15428	.07978	.40661	.05098	.00957	-.00213
2.000	4.860	1.99746	.42776	-4.15450	.17771	.41545	.06631	.01253	.00008
	GRADIENT	.00004	.11575	.00100	.04866	-.00160	.00923	.00164	.00092

LARC UPWT 1152(1A94A) OTSAT130

(TJK029) (18 JUN 76)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT
 LREF = 1290.3000 INCHES YMRP = .0000 IN. YT
 BREF = 1290.3000 INCHES ZMRP = 400.0000 IN. ZT
 SCALE = .0100

PARAMETRIC DATA

BETA = .000 ELV-L1 = 10.000
 ELV-LO = -10.000 ELV-R1 = 10.000
 ELV-RO = -10.000

RUN NO. 48/ 0 RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	RN/L	L/DU	BETA	CLU	CDU	CNW	CBW	CTW
1.550	-8.441	2.00109	-.92166	-.01283	-.51065	.55406	-.05992	-.00958	-.01022
1.550	-6.330	1.99629	-.74055	-.01247	-.38092	.51438	-.03966	-.00584	-.00983
1.550	-4.192	1.99553	-.51275	-.01315	-.24845	.48455	-.01344	-.00110	-.00902
1.550	-2.084	2.00002	-.26611	-.01246	-.12467	.46851	.01481	.00409	-.00763
1.550	.011	2.00393	-.01509	-.01306	-.00696	.46141	.04235	.00905	-.00570
1.550	2.138	2.00411	.21209	-.01410	.09798	.46196	.07044	.01374	-.00200
1.550	4.240	2.00304	.43177	-.01419	.20214	.46816	.09126	.01749	.00137
	GRADIENT	.00090	.11226	-.00018	.05329	-.00186	.01257	.00222	.00125

DATE 29 OCT 76

TABULATED SOURCE DATA - 1A94A.

PAGE 119

LARC UPWT 1152(1A94A) OTSAT130

(TJK029) (18 JUN 76)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN XT
 LREF = 1290 3000 INCHES YMRP = .0000 IN. YT
 BREF = 1290.3000 INCHES ZMRP = 400.0000 IN. ZT
 SCALE = .0100

PARAMETRIC DATA

BETA = .000 ELV-LI = 10.000
 ELV-LO = -10.000 ELV-RI = 10.000
 ELV-RO = -10.000

RUN NO 53/ 0 RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	RN/L	L/DU	BETA	CLU	CDU	CNW	CBW	CTW
2.000	-7.734	2.00711	-.94480	-.03270	-.46475	.49191	-.03104	-.00534	-.01014
2.000	-5.631	2.00545	-.75017	-.03104	-.34498	.45383	-.01658	-.00290	-.00931
2.000	-3.506	1.99972	-.53791	-.03261	-.22981	.42724	.00007	-.00016	-.00797
2.000	-1.397	1.99671	-.30425	-.03441	-.12542	.41223	.01737	.00277	-.00716
2.000	.686	1.99656	-.05631	-.03465	-.02289	.40642	.03607	.00613	-.00670
2.000	2.790	1.99746	.19332	-.03391	.07832	.40515	.05201	.00926	-.00675
2.000	4.876	1.99656	.43118	-.03424	.17721	.41099	.07219	.01271	-.00480
	GRADIENT	-.00027	.11626	-.00013	.04853	-.00189	.00854	.00154	.00032

LARC UPWT 1152(1A94A) OTSAT130

(TJK030) (18 JUN 76)

REFERENCE DATA

SREF = 2690 0000 SQ FT. XMRP = 976.0000 IN. XT
 LREF = 1290 3000 INCHES YMRP = .0000 IN. YT
 BREF = 1290 3000 INCHES ZMRP = 400 0000 IN. ZT
 SCALE = .0100

PARAMETRIC DATA

BETA = 4.000 ELV-LI = 10.000
 ELV-LO = -10.000 ELV-RI = 10.000
 ELV-RO = -10.000

RUN NO. 51/ 0 RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	RN/L	L/DU	BETA	CLU	CDU	CNW	CBW	CTW
1.550	-8.445	1.99860	-.93640	4.15866	-.52205	.55750	-.05172	-.00886	-.01252
1.550	-6.315	1.99860	-.73711	4.15057	-.38205	.51831	-.03175	-.00532	-.01211
1.550	-4.167	1.99842	-.51899	4.14529	-.25338	.48822	-.00782	-.00101	-.01137
1.550	-2.092	1.99825	-.26957	4.14585	-.12649	.46923	.02187	.00433	-.01017
1.550	.033	1.99860	-.02278	4.14240	-.01051	.46146	.05451	.00967	-.00755
1.550	2.134	1.99860	.21058	4.14204	.09725	.46179	.07972	.01434	-.00538
1.550	4.214	1.99842	.42729	4.14155	.20047	.46916	.09967	.01851	-.00292
	GRADIENT	.00002	.11305	-.00054	.05391	-.00217	.01300	.00234	.00103

DATE 29 OCT 76

TABULATED SOURCE DATA - 1A94A.

PAGE 120

LARC UPWT 1152(1A94A) OTSAT130

(TJK030) (18 JUN 76)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT
 LREF = 1290.3000 INCHES YMRP = .0000 IN. YT
 BREF = 1290.3000 INCHES ZMRP = 400.0000 IN. ZT
 SCALE = .0100

PARAMETRIC DATA

BETA = 4.000 ELV-LI = 10.000
 ELV-LO = -10.000 ELV-RI = 10.000
 ELV-RO = -10.000

RUN NO. 56/ 0 RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	RN/L	L/DU	BETA	CLU	CDU	CNW	CBW	CTW
2.000	-7.713	1.99671	-.93689	4.15297	-.46058	.49161	-.02139	-.00448	-.01108
2.000	-5.608	1.99671	-.74535	4.14672	-.33922	.45511	-.00632	-.00197	-.01041
2.000	-3.516	1.99641	-.52535	4.14262	-.22554	.42932	.00829	.00043	-.00976
2.000	-1.421	1.99641	-.29248	4.13932	-.12080	.41300	.02380	.00300	-.00905
2.000	.685	1.99611	-.04596	4.13481	-.01868	.40655	.03943	.00584	-.00916
2.000	2.780	1.99596	.21250	4.13038	.08617	.40550	.05589	.00882	-.00900
2.000	4.861	1.99641	.44333	4.12895	.18308	.41297	.07339	.01194	-.00767
	GRADIENT	-00002	.11655	-.00173	.04888	-.00192	.00774	.00138	.00020

LARC UPWT 1152(1A94A) OTSAT130

(TJK031) (18 JUN 76)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT
 LREF = 1290.3000 INCHES YMRP = .0000 IN. YT
 BREF = 1290.3000 INCHES ZMRP = 400.0000 IN. ZT
 SCALE = .0100

PARAMETRIC DATA

BETA = 6.000 ELV-LI = 10.000
 ELV-LO = -10.000 ELV-RI = 10.000
 ELV-RO = -10.000

RUN NO. 52/ 0 RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	RN/L	L/DU	BETA	CLU	CDU	CNW	CBW	CTW
1.550	-8.441	1.99807	-.94770	6.24465	-.52424	.55317	-.05287	-.00870	-.01386
1.550	-6.334	1.99807	-.75255	6.23408	-.38964	.51775	-.03155	-.00498	-.01328
1.550	-4.212	1.99842	-.52663	6.22808	-.25703	.48807	-.00808	-.00075	-.01250
1.550	-2.095	1.99860	-.27522	6.22269	-.12915	.46927	.02119	.00448	-.01139
1.550	.014	1.99913	-.02466	6.22083	-.01136	.46086	.05292	.00979	-.00899
1.550	2.121	1.99896	.21390	6.22116	.09894	.46254	.08397	.01492	-.00578
1.550	4.222	1.99896	.43562	6.21976	.20456	.46957	.10576	.01908	-.00300
	GRADIENT	.00007	.11448	-.00086	.05461	-.00208	.01378	.00258	.00117

DATE 29 OCT 76

TABULATED SOURCE DATA - 1A94A.

PAGE 121

LARC UPWT 1152(1A94A) OTSAT130

(TJK031) (18 JUN 76)

REFERENCE DATA

PARAMETRIC DATA

SREF = 2690.0000 SQ.FT. XMRP = 976 0000 IN. XT
 LREF = 1290.3000 INCHES YMRP = 0000 IN. YT
 BREF = 1290.3000 INCHES ZMRP = 400 0000 IN. ZT
 SCALE = .0100

BETA = 6.000 ELV-LI = 10.000
 ELV-LO = -10.000 ELV-RI = 10.000
 ELV-RO = -10.000

RUN NO. 57/ 0 RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	RN/L	L/DU	BETA	CLU	CDU	CNW	CBW	CTW
2.000	-7.718	1.99626	- 94619	6 23581	-.46352	.48988	-.02512	-.00464	- 01328
2.000	-5.647	1.99596	- 75743	6 22649	-.34375	.45384	-.00829	-.00197	- 01211
2 000	-3 520	1 99641	-.52715	6.22060	- 22496	.42675	.00715	.00064	- 01119
2 000	-1.396	1 99611	-.27196	6.21695	-.11134	.40939	.02221	.00324	- 01068
2.000	681	1.99671	- 02953	6 21083	-.01191	.40322	.03772	.00596	- 01027
2 000	2 790	1.99626	.21658	6.20668	.08734	.40325	.05329	.00877	- 01017
2 000	4.878	1 99596	.45256	6 20464	.18617	.41138	.07131	.01196	- 00895
	GRADIENT	- 00004	.11667	- 00201	.04866	-.00176	.00760	.00134	.00024

LARC UPWT 1152(1A94A) OTSAT130

(TJK032) (18 JUN 76)

REFERENCE DATA

PARAMETRIC DATA

SREF = 2690.0000 SQ.FT. XMRP = 976 0000 IN. XT
 LREF = 1290.3000 INCHES YMRP = 0000 IN. YT
 BREF = 1290.3000 INCHES ZMRP = 400.0000 IN ZT
 SCALE = 0100

BETA = -6.000 ELV-LI = 12.000
 ELV-LO = -10.000 ELV-RI = 12.000
 ELV-RO = -10 000

RUN NO. 59/ 0 RN/L = 2.00 GRADIENT INTERVAL = -5 00/ 5.00

MACH	ALPHA	RN/L	L/DU	BETA	CLU	CDU	CNW	CBW	CTW
1.550	-8 449	2.00038	-.94235	-6.28866	- 52303	.55502	-.07185	-.01140	- 00740
1 550	-6.339	2.00536	-.73373	-6.27932	- 38051	.51859	-.05101	-.00732	- 00692
1.550	-4 197	2.00713	-.51761	-6 27222	- 25366	.49007	-.02880	-.00298	- 00548
1 550	-2.103	2.00571	-.27082	-6 26636	-.12796	.47247	-.00407	.00165	- 00337
1.550	020	2.00464	-.02014	-6 26490	- 00938	.46576	.02072	.00621	- 00131
1 550	2 128	2 00091	.22064	-6.26349	.10350	.46910	.04194	.01020	.00064
1 550	4 219	1 99985	.43526	-6.26611	.20720	.47603	.05922	.01343	.00205
	GRADIENT	- 00092	.11382	.00072	.05475	- 00149	.01054	.00196	.00091

DATE 29 OCT '76

TABULATED SOURCE DATA - 1A94A.

PAGE 122

LARC UPWT 1152(1A94A) OTSAT130

(TJK033) (18 JUN 76)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT
 LREF = 1290.3000 INCHES YMRP = .0000 IN. YT
 BREF = 1290.3000 INCHES ZMRP = 400.0000 IN. ZT
 SCALE = .0100

PARAMETRIC DATA

BETA = -4.000 ELV-LI = 12.000
 ELV-LO = -10.000 ELV-RI = 12.000
 ELV-RO = -10.000

RUN NO 50/ 0 RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	RN/L	L/DU	BETA	CLU	CDU	CNW	CBW	CTW
1.550	-8.456	1.99789	-.93854	-4.18283	-.52388	.55819	-.06881	-.01105	-.00847
1.550	-6.330	1.99949	-.73989	-4.17026	-.38379	.51872	-.04698	-.00687	-.00834
1.550	-4.190	1.99967	-.51375	-4.16645	-.25167	.48987	-.02191	-.00215	-.00706
1.550	-2.093	2.00002	-.26930	-4.16437	-.12695	.47139	.00474	.00281	-.00495
1.550	.042	2.00002	-.01167	-4.16218	-.00542	.46424	.03167	.00783	-.00240
1.550	2.129	1.99949	.22048	-4.16250	.10280	.46626	.05321	.01167	.00025
1.550	4.240	2.00002	.43271	-4.16320	.20528	.47440	.07210	.01503	.00244
	GRADIENT	00001	.11303	.00040	.05425	-.00171	.01122	.00205	.00115

LARC UPWT 1152(1A94A) OTSAT130

(TJK034) (18 JUN 76)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT
 LREF = 1290.3000 INCHES YMRP = .0000 IN. YT
 BREF = 1290.3000 INCHES ZMRP = 400.0000 IN. ZT
 SCALE = .0100

PARAMETRIC DATA

BETA = .000 ELV-LI = 12.000
 ELV-LO = -10.000 ELV-RI = 12.000
 ELV-RO = -10.000

RUN NO 50/ 0 RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	RN/L	L/DU	BETA	CLU	CDU	CNW	CBW	CTW
1.550	-8.424	1.99985	-.92140	-.01448	-.51128	.55489	-.06109	-.00963	-.01125
1.550	-6.320	2.00127	-.72646	-.01287	-.37358	.51424	-.03983	-.00575	-.01063
1.550	-4.200	2.00073	-.50545	-.01217	-.24500	.48472	-.01325	-.00101	-.00964
1.550	-2.090	2.00002	-.26029	-.01393	-.12202	.46879	.01317	.00401	-.00855
1.550	.042	1.99789	-.00349	-.01274	-.00161	.46151	.04166	.00923	-.00646
1.550	2.126	1.99647	.21508	-.01323	.09940	.46216	.06998	.01376	-.00278
1.550	4.219	1.99558	.43526	-.01440	.20401	.46870	.09132	.01754	.00071
	GRADIENT	-.00066	.11195	-.00018	.05318	-.00184	.01263	.00223	.00126

DATE 29 OCT 76

TABULATED SOURCE DATA - 1A94A.

PAGE 123

LARC UPWT 1152(1A94A) OTSAT130

(TJK035) (18 JUN 76)

REFERENCE DATA

SREF = 2690.0000 SQ FT. XMRP = 976.0000 IN. XT
 LREF = 1290.3000 INCHES YMRP = .0000 IN. YT
 BREF = 1290.3000 INCHES ZMRP = 400.0000 IN. ZT
 SCALE = 0100

PARAMETRIC DATA

BETA = 4.000 ELV-L1 = 12.000
 ELV-LO = -10.000 ELV-R1 = 12.000
 ELV-RO = -10.000

RUN NO. 61/ 0 RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	RN/L	L/DU	BETA	CLU	CDU	CNW	CBW	CTW
1.550	-8.451	1.99860	-.92377	4.15841	-.51543	.55796	-.05027	-.00869	-.01269
1.550	-6.326	1.99860	-.73551	4.15316	-.38262	.52021	-.02986	-.00516	-.01210
1.550	-4.166	1.99842	-.50971	4.14718	-.24951	.48952	-.00550	-.00073	-.01134
1.550	-2.077	1.99896	-.26511	4.14649	-.12469	.47034	.02379	.00451	-.01030
1.550	.019	1.99842	-.01230	4.14483	-.00569	.46263	.05730	.00997	-.00747
1.550	2.122	1.99807	.21627	4.14188	.10008	.46276	.08205	.01459	-.00527
1.550	4.228	1.99878	.43113	4.14198	.20293	.47068	.10235	.01878	-.00256
	GRADIENT	-.00001	.11259	-.00072	.05382	-.00215	.01305	.00234	.00108

LARC UPWT 1152(1A94A) OTSAT130

(TJK036) (18 JUN 76)

REFERENCE DATA

SREF = 2690.0000 SQ FT. XMRP = 976.0000 IN. XT
 LREF = 1290.3000 INCHES YMRP = .0000 IN. YT
 BREF = 1290.3000 INCHES ZMRP = 400.0000 IN. ZT
 SCALE = 0100

PARAMETRIC DATA

BETA = 6.000 ELV-L1 = 12.000
 ELV-LO = -10.000 ELV-R1 = 12.000
 ELV-RO = -10.000

RUN NO. 62/ 0 RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	RN/L	L/DU	BETA	CLU	CDU	CNW	CBW	CTW
1.550	-8.440	1.99985	-.93959	6.24575	-.52074	.55422	-.05000	-.00845	-.01377
1.550	-6.340	1.99967	-.74158	6.23493	-.38451	.51850	-.02833	-.00470	-.01287
1.550	-4.174	2.00032	-.51818	6.22860	-.25333	.48888	-.00536	-.00054	-.01205
1.550	-2.095	2.00002	-.27800	6.22663	-.13079	.47048	.02348	.00463	-.01112
1.550	.013	1.99985	-.02659	6.22138	-.01229	.46244	.05477	.00987	-.00883
1.550	2.119	2.00002	.21549	6.22190	.09986	.46340	.08583	.01502	-.00576
1.550	4.221	1.99931	.43588	6.21988	.20527	.47093	.10805	.01925	-.00281
	GRADIENT	-.00007	.111434	-.00106	.05465	-.00204	.01377	.00238	.00114

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DATE 29 OCT 76

TABULATED SOURCE DATA - 1A94A.

PAGE 124

LARC UPWT 1152(1A94A) OTSAT130

(TJK037) (18 JUN 76)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT
 LREF = 1290.3000 INCHES YMRP = .0000 IN. YT
 BREF = 1290.3000 INCHES ZMRP = 400.0000 IN. ZT
 SCALE = .0100

PARAMETRIC DATA

BETA = -6 000 ELV-LI = 12.000
 ELV-LO = -5.000 ELV-RI = 12.000
 ELV-RO = -5 000

RUN NO.	64/ 0	RN/L =	2.00	GRADIENT INTERVAL =	-5 00/ 5 00				
MACH	ALPHA	RN/L	L/DU	BETA	CLU	CDU	CNW	CBW	CTW
1.550	-8.456	1.99522	-.93870	-6.28885	-.52056	.55455	-.06637	-.01025	-.00980
1.550	-6.341	1.99505	-.73254	-6.27774	-.37953	.51810	-.04477	-.00612	-.00897
1.550	-4.221	1.99487	-.50347	-6.26973	-.24626	.48912	-.02202	-.00171	-.00750
1.550	-2.091	1.99505	-.25740	-6.26619	-.12144	.47180	.00239	.00295	-.00548
1.550	.017	1.99487	-.00696	-6.26314	-.00324	.46546	.02594	.00737	-.00358
1.550	2.109	1.99487	.21823	-6.26260	.10217	.46818	.04638	.01113	-.00188
1.550	4.229	1.99522	.44622	-6.26318	.21218	.47550	.06449	.01459	-.00027
	GRADIENT	00002	11257	.00079	05406	-.00147	01029	.00193	.00086

RUN NO.	69/ 0	RN/L =	2 00	GRADIENT INTERVAL =	-5.00/ 5.00				
MACH	ALPHA	RN/L	L/DU	BETA	CLU	CDU	CNW	CBW	CTW
2.000	-7.762	1.99822	-.97359	-6.25496	-.48045	.49348	-.03667	-.00574	-.01114
2.000	-5.646	1.99761	-.78244	-6.24881	-.35743	.45581	-.02583	-.00361	-.01073
2.000	-3.536	1.99671	-.55504	-6.24007	-.23832	.42937	-.00903	-.00068	-.00989
2.000	-1.413	1.99656	-.29697	-6.23957	-.12272	.41322	.01259	.00307	-.00814
2.000	.679	1.99626	-.04430	-6.23349	-.01802	.40685	.02970	.00644	-.00733
2.000	2.588	1.99626	.17943	-6.23106	.07320	.40797	.04261	.00914	-.00645
2.000	4.860	1.99550	.43193	-6.22947	.17873	.41379	.06340	.01232	-.00282
	GRADIENT	-.00013	11782	.00142	04953	-.00175	.00842	.00154	.00077

DATE 29 OCT 76

TABULATED SOURCE DATA - (A94A.

PAGE 125

LARC UPWT 1152(1A94A) OTSAT130

(TJK03B) (18 JUN 76)

REFERENCE DATA

SREF = 2690 0000 SQ.FT. XMRP = 976.0000 IN. XT
 LREF = 1290.3000 INCHES YMRP = .0000 IN. YT
 BREF = 1290 3000 INCHES ZMRP = 400.0000 IN. ZT
 SCALE = .0100

PARAMETRIC DATA

BETA = -4.000 ELV-L1 = 12.000
 ELV-LO = -5.000 ELV-R1 = 12.000
 ELV-RO = -5.000

RUN NO. 65/ 0 RN/L = 2 00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	RN/L	L/DU	BETA	CLU	CDU	CNW	CBW	CTW
1.550	-8.449	1.99451	-.92861	-4.17667	-.51538	.55500	-.06318	-.00975	-.01130
1.550	-6.355	1.99487	-.73601	-4.17080	-.38081	.51739	-.04187	-.00579	-.01083
1.550	-4.210	1.99522	-.50514	-4.16630	-.24634	.48766	-.01719	-.00108	-.00965
1.550	-2.087	1.99587	-.26137	-4.16192	-.12275	.46965	.00997	.00397	-.00758
1.550	.026	1.99522	.00160	-4.16011	.00074	.46225	.03561	.00889	-.00527
1.550	2.111	1.99522	.22404	-4.16180	.10415	.46489	.05672	.01264	-.00257
1.550	4.219	1.99522	.44000	-4.16447	.20834	.47351	.07478	.01596	-.00059
	GRADIENT	.00002	.11284	.00018	.05397	-.00158	.01096	.00203	.00110

RUN NO 70/ 0 RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	RN/L	L/DU	BETA	CLU	CDU	CNW	CBW	CTW
2.000	-7.733	1.99520	-.96814	-4.17396	-.47691	.49261	-.03373	-.00544	-.01165
2.000	-5.631	1.99897	-.76364	-4.16790	-.34700	.45440	-.02054	-.00303	-.01097
2.000	-3.517	1.99942	-.52960	-4.16357	-.22623	.42718	-.00380	-.00001	-.01007
2.000	-1.405	1.99972	-.28811	-4.16315	-.11830	.41059	.01649	.00362	-.00878
2.000	.674	1.99942	-.04167	-4.16044	-.01683	.40395	.03585	.00706	-.00748
2.000	2.783	2.00018	.21224	-4.15552	.08502	.40531	.05886	.01079	-.00409
2.000	4.891	1.99972	.44399	-4.15434	.18361	.41354	.07326	.01367	-.00195
	GRADIENT	.00005	.11652	.00119	.04875	-.00155	.00935	.00164	.00100

DATE 29 OCT 76

TABULATED SOURCE DATA - 1A94A.

PAGE 126

LARC UPWT 1152(1A94A) OTSAT130

(TJK039) (18 JUN 76)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT
 LREF = 1290.3000 INCHES YMRP = .0000 IN. YT
 BREF = 1290.3000 INCHES ZMRP = 400.0000 IN. ZT
 SCALE = .0100

PARAMETRIC DATA

BETA = .000 ELV-LI = 12.000
 ELV-LO = -5.000 ELV-RI = 12.000
 ELV-RO = -5.000

RUN NO. 63/ 0 RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	RN/L	L/DU	BETA	CLU	CDU	CNW	CBW	CTW
1 550	-8 430	1 99682	- 90398	-.01384	-.50134	.55460	- 05618	- 00851	-.01312
1 550	-6.290	2 00500	-.71242	-.01421	-.36698	.51512	- 03525	-.00462	-.01249
1 550	-4.183	2 00020	-.49641	-.01230	- 24095	.48540	- 00913	.00005	-.01176
1 550	-2.078	1 99860	-.25038	-.01223	-.11753	.46940	01820	.00519	-.01062
1 550	.024	1 99789	.00165	-.01338	00076	.46234	04625	.01027	-.00854
1 550	2 121	1 99753	.22655	-.01436	10494	.46320	07488	.01494	-.00463
1 550	4.230	1 99718	.44040	-.01331	.20701	.47005	.09576	.01867	-.00131
	GRADIENT	-.00034	.11180	-.00020	05319	-.00175	01267	.00223	.00128

RUN NO. 68/ 0 RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	RN/L	L/DU	BETA	CLU	CDU	CNW	CBW	CTW
2.000	-7 742	1 99792	-.95534	-.01317	-.47050	.49250	- 02575	- 00441	-.01307
2.000	-5 646	1 99535	-.77266	- 01245	- 35124	.45459	- 01035	-.00203	-.01179
2 000	-3.494	1 99370	-.55078	-.01192	-.23512	.42689	.00687	.00079	-.01046
2.000	-1.421	1 99083	-.31925	-.01306	-.13148	.41183	.02421	.03375	-.00965
2.000	.679	1 98873	-.06035	-.01384	-.02447	.40553	04302	.00717	-.00935
2 000	2.758	1 98993	.18536	- 01478	.07498	.40450	05811	.01024	-.00961
2 000	4 876	2 00183	.43311	- 01377	.17791	.41077	07834	.01374	-.00779
	GRADIENT	.00074	.11819	-.00026	.04936	-.00189	.00845	.00155	.00026

DATE 29 OCT 76

TABULATED SOURCE DATA - 1A94A.

PAGE 127

LARC UPWT 1152(1A94A) OTSAT130

(TJK040) (18 JUN 76)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT
 LREF = 1290.3000 INCHES YMRP = .0000 IN. YT
 BREF = 1290.3000 INCHES ZMRP = 400.0000 IN. ZT
 SCALE = 0100

PARAMETRIC DATA

BETA = 4.000 ELV-L1 = 12.000
 ELV-LO = -5.000 ELV-R1 = 12.000
 ELV-RO = -5.000

RUN NO. 66/ 0 RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	RN/L	L/DU	BETA	CLU	CDU	CNW	CBW	CTW
1.550	-8 430	1.99753	-.92441	4.15699	-.51247	.55438	-.04581	-.00754	-.01610
1.550	-6 319	1.99629	-.72965	4.14974	-.37688	.51652	-.02548	-.00401	-.01531
1.550	-4 190	1.99593	-.50956	4.14615	-.24782	.48635	-.00147	.00034	-.01485
1.550	-2 076	1.99611	-.25853	4.14502	-.12072	.46695	.02913	.00574	-.01343
1.550	024	1.99611	.00202	4.14068	.00093	.45927	.06177	.01111	-.01073
1.550	2 122	1.99576	.22573	4.13924	.10386	.46010	.08566	.01563	-.00873
1.550	4 216	1.99576	.44019	4.13857	.20586	.46766	.10425	.01970	-.00645
	GRADIENT	-.00003	.11346	-.00100	.05388	-.00211	.01276	.00231	.00102

RUN NO 71/ 0 RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	RN/L	L/DU	BETA	CLU	CDU	CNW	CBW	CTW
2.000	-7.748	1.99957	-.94458	4.15573	-.46306	.49023	-.01548	-.00351	-.01384
2.000	-5 611	1.99927	-.74362	4.14760	-.33676	.45287	.00001	-.00090	-.01321
2.000	-3.496	1.99882	-.51943	4.14211	-.22150	.42643	.01547	.00158	-.01227
2.000	-1.401	1.99942	-.28120	4.13892	-.11551	.41076	.03094	.00420	-.01164
2.000	.683	1.99882	-.02434	4.13534	-.00982	.40366	.04610	.00700	-.01186
2.000	2.786	1.99942	.22714	4.13318	.09169	.40368	.06250	.00997	-.01169
2.000	4.863	1.99927	.45586	4.12910	.18707	.41036	.08090	.01317	-.01022
	GRADIENT	.00004	.11763	-.00152	.04900	-.00188	.00777	.00138	.00019

DATE 29 OCT 76

TABULATED SOURCE DATA - 1A94A.

PAGE 128

LARC UPWT 1152(1A94A) OTSAT130

(TJK041) (18 JUN 75)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT
 LREF = 1290.3000 INCHES YMRP = .0000 IN. YT
 BREF = 1290.3000 INCHES ZMRP = 400.0000 IN. ZT
 SCALE = .0100

PARAMETRIC DATA

BETA = 6.000 ELV-L1 = 12.000
 ELV-L0 = -5.000 ELV-R1 = 12.000
 ELV-R0 = -5.000

RUN NO. 67/ 0 RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	RN/L	L/DU	BETA	CLU	CDU	CNW	CBW	CTW
1.550	-8.432	1.99540	-.93499	6.24703	-.51328	.54897	-.01471	-.00710	-.01730
1.550	-6.323	1.99558	-.73557	6.23496	-.37816	.51410	-.02432	-.00347	-.01671
1.550	-4.181	1.99593	-.51182	6.23074	-.24814	.48482	-.00129	.00069	-.01596
1.550	-2.092	1.99558	-.25999	6.22492	-.12128	.46648	.02756	.00591	-.01496
1.550	.026	1.99611	-.00182	6.22175	-.00084	.45853	.06065	.01131	-.01222
1.550	2.121	1.99647	.22950	6.21976	.10559	.46007	.09083	.01625	-.00905
1.550	4.211	1.99647	.44181	6.21927	.20641	.46718	.11134	.02026	-.00658
	GRADIENT	.00009	.11415	-.00134	.05410	-.00199	.01374	.00236	.00118

RUN NO 72/ 0 RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	RN/L	L/DU	BETA	CLU	CDU	CNW	CBW	CTW
2.000	-7.737	1.99957	-.94079	6.23647	-.45799	.48681	-.01566	-.00324	-.01526
2.000	-5.628	1.99942	-.75449	6.22887	-.33948	.44995	-.00062	-.00076	-.01458
2.000	-3.511	1.99972	-.52556	6.22198	-.22256	.42346	.01524	.00186	-.01355
2.000	-1.410	1.99972	-.27583	6.21824	-.11221	.40680	.02935	.00437	-.01318
2.000	.690	1.99957	-.01970	6.21147	-.00788	.39997	.04484	.00713	-.01285
2.000	2.773	1.99957	.22259	6.20693	.08917	.40062	.06036	.00989	-.01267
2.000	4.881	1.99942	.47351	6.20473	.19384	.40937	.07965	.01330	-.01122
	GRADIENT	-.00004	.11907	-.00218	.04933	-.00164	.00762	.00135	.00025

DATE 29 OCT 76

TABULATED SOURCE DATA - 1A94A.

PAGE 129

LARC UPWT 1152(1A94A) OTSAT130

(TJK042) (18 JUN 76)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT
 LREF = 1290.3000 INCHES YMRP = .0000 IN. YT
 BREF = 1290.3000 INCHES ZMRP = 400 0000 IN. ZT
 SCALE = .0100

PARAMETRIC DATA

BETA = -6.000 ELV-L1 = 12.000
 ELV-LO = 2.000 ELV-R1 = 12.000
 ELV-RO = 2.000

RUN NO		74/ 0	RN/L =	2.00	GRADIENT INTERVAL = -5.00/ 5.00				
MACH	ALPHA	RN/L	L/DU	BETA	CLU	CDU	CNW	CBW	CTW
1.550	-8.441	1.99416	-91625	-6.28469	-50509	.55125	-.06157	-.00846	-.01039
1.550	-6.353	1.99700	-.70911	-6.27609	-.36666	.51706	-.04215	-.00459	-.00986
1.550	-4.226	2.00091	-.48034	-6.27089	-.23507	.48938	-.01942	-.00028	-.00815
1.550	-2.083	2.00233	-.22245	-6.26746	-10515	.47268	.00531	.00447	-.00597
1.550	-.032	2.00269	.01615	-6.26373	.00754	.46667	.02834	.00873	-.00411
1.550	2.119	2.00233	.25543	-6.26468	.12025	.47078	.05040	.01267	-.00185
1.550	4.219	2.00216	.46876	-6.26255	.22453	.47899	.06757	.01586	-.00016
	GRADIENT	.00012	.11265	.00092	.05427	-.00107	.01039	.00192	.00095

LARC UPWT 1152(1A94A) OTSAT130

(TJK043) (18 JUN 76)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT
 LREF = 1290.3000 INCHES YMRP = .0000 IN. YT
 BREF = 1290.3000 INCHES ZMRP = 400 0000 IN. ZT
 SCALE = .0100

PARAMETRIC DATA

BETA = -4.000 ELV-L1 = 12.000
 ELV-LO = 2.000 ELV-R1 = 12.000
 ELV-RO = 2.000

RUN NO		75/ 0	RN/L =	2.00	GRADIENT INTERVAL = -5.00/ 5.00				
MACH	ALPHA	RN/L	L/DU	BETA	CLU	CDU	CNW	CBW	CTW
1.550	-8.456	2.00038	-.90948	-4.18158	-.50436	.55456	-.06099	-.00827	-.01185
1.550	-6.394	2.00020	-.71460	-4.17207	-.36981	.51751	-.04023	-.00438	-.01135
1.550	-4.203	2.00002	-.48304	-4.16779	-.23619	.48896	-.01471	.00029	-.00995
1.550	-2.053	2.00002	-.22228	-4.16279	-10475	.47127	.01325	.00557	-.00783
1.550	.042	2.00002	.02784	-4.16021	.01294	.46489	.03887	.01038	-.00552
1.550	2.124	2.00002	.25632	-4.15981	.11992	.46786	.06078	.01415	-.00247
1.550	4.244	1.99949	.46678	-4.16110	.22280	.47731	.07878	.01738	-.00027
	GRADIENT	-.00005	.11288	.00078	.05424	-.00128	.01113	.00203	.00117

DATE 29 OCT 76

TABULATED SOURCE DATA - 1A94A.

PAGE 130

LARC UPWT 1152(1A94A) OTSAT130

(TJK044) (18 JUN 76)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT
 LREF = 1290.3000 INCHES YMRP = .0000 IN. YT
 BREF = 1290.3000 INCHES ZMRP = 400.0000 IN. ZT
 SCALE = .0100

PARAMETRIC DATA

BETA = .000 ELV-LI = 12.000
 ELV-LO = 2.000 ELV-RI = 12.000
 ELV-RO = 2.000

RUN NO. 73/ 0 RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	RN/L	L/DU	BETA	CLU	CDU	CNW	CBW	CTW
1.550	-8.437	1.99753	-88597	-.03138	-.48897	.55191	-.04808	-.00658	-.01328
1.550	-6.289	1.99665	-.69157	-.03224	-.35456	.51270	-.02780	-.00285	-.01259
1.550	-4.178	1.99451	-.47114	-.03068	-.22843	.48484	-.00297	.00167	-.01181
1.550	-2.078	1.99309	-.21701	-.02985	-.10167	.46852	.02533	.00697	-.01060
1.550	.036	1.99096	.02428	-.03133	.01125	.46350	.05260	.01191	-.00858
1.550	2.140	1.99487	.25063	-.03223	.11643	.46456	.08072	.01654	-.00483
1.550	4.235	1.99682	.46635	-.03120	.22028	.47235	.10145	.02018	-.00122
	GRADIENT	.00030	.11132	-.00016	.05301	-.00138	.01256	.00221	.00128

LARC UPWT 1152(1A94A) OTSAT130

(TJK045) (18 JUN 76)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT
 LREF = 1290.3000 INCHES YMRP = .0000 IN. YT
 BREF = 1290.3000 INCHES ZMRP = 400.0000 IN. ZT
 SCALE = .0100

PARAMETRIC DATA

BETA = 4.000 ELV-LI = 12.000
 ELV-LO = 2.000 ELV-RI = 12.000
 ELV-RO = 2.000

RUN NO. 76/ 0 RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	RN/L	L/DU	BETA	CLU	CDU	CNW	CBW	CTW
1.550	-8.414	1.99931	-89863	4.15655	-.49871	.55497	-.04130	-.00585	-.01541
1.550	-6.333	1.99913	-70420	4.15073	-.36534	.51880	-.02137	-.00239	-.01484
1.550	-4.152	1.99913	-.47141	4.14554	-.23037	.48869	.00304	.00206	-.01436
1.550	-2.076	1.99913	-.23154	4.14260	-.10895	.47054	.03134	.00721	-.01326
1.550	.035	1.99913	.02270	4.14271	.01052	.46369	.06395	.01252	-.01057
1.550	2.127	1.99913	.25561	4.14126	.11081	.46479	.08997	.01726	-.00805
1.550	4.236	1.99949	.46517	4.13968	.22019	.47336	.10982	.02134	-.00529
	GRADIENT	.00000	.11250	-.00062	.05381	-.00173	.01297	.00232	.00111

DATE 29 OCT 76

TABULATED SOURCE DATA - 1A94A.

PAGE 131

LARC UPWT 1152(1A94A) OTSAT130

(TJK046) (18 JUN 76)

REFERENCE DATA

SREF = 2690 0000 SQ FT XMRP = 976.0000 IN. XT
 LREF = 1290.3000 INCHES YMRP = 0000 IN. YT
 BREF = 1290.3000 INCHES ZMRP = 400.0000 IN. ZT
 SCALE = .0100

PARAMETRIC DATA

BETA = 6 000 ELV-LI = 12 000
 ELV-LO = 2.000 ELV-RI = 12.000
 ELV-RO = 2.000

RUN NO. 77/ 0 RN/L = 2 00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	RN/L	L/DU	BETA	CLU	CDU	CNW	CBW	CTW
1.550	-8.422	1.99896	-91220	6.24370	-.50240	.55075	-.04236	-.00569	-.01703
1.550	-6.332	1.99949	-.69990	6.23512	-.36086	.51559	-.02023	-.00183	-.01617
1.550	-4.160	1.99949	-.47511	6.22810	-.23162	.48752	.00319	.00238	-.01532
1.550	-2.072	1.99896	-.22915	6.22477	-.10777	.47032	.03113	.00754	-.01468
1.550	.004	1.99949	.01286	6.21899	.00596	.46297	.06236	.01264	-.01201
1.550	2.127	1.99931	.25291	6.22167	.11766	.46523	.09296	.01768	-.00889
1.550	4.243	1.99985	.47241	6.22225	.22363	.47339	.11599	.02189	-.00558
	GRADIENT	00005	11316	-.00070	05407	-.00158	.01368	.00234	.00120

LARC UPWT 1152(1A94A) OTSAT130

(TJK047) (18 JUN 76)

REFERENCE DATA

SREF = 2690 0000 SQ.FT XMRP = 976.0000 IN. XT
 LREF = 1290.3000 INCHES YMRP = .0000 IN. YT
 BREF = 1290.3000 INCHES ZMRP = 400 0000 IN. ZT
 SCALE = 0100

PARAMETRIC DATA

BETA = -6 000 ELV-LI = 8.000
 ELV-LO = 2 000 ELV-RI = 8.000
 ELV-RO = 2 000

RUN NO. 79/ 0 RN/L = 2.00 GRADIENT INTERVAL = -5 00/ 5 00

MACH	ALPHA	RN/L	L/DU	BETA	CLU	CDU	CNW	CBW	CTW
1.550	-8.456	1.99736	-.93195	-6.29028	-.51344	.55093	-.06739	-.00905	-.00954
1.550	-6.344	1.99718	-.72211	-6.27862	-.37224	.51548	-.04710	-.00511	-.00902
1.550	-4.207	1.99703	-.48692	-6.27221	-.23726	.48727	-.02398	-.00063	-.00739
1.550	-2.049	1.99682	-.23369	-6.26850	-.11000	.47072	.00039	.00403	-.00531
1.550	.019	1.99665	.00437	-6.26299	.00203	.46482	.02391	.00837	-.00326
1.550	2.122	1.99647	.24473	-6.26364	.11474	.46885	.04559	.01226	-.00104
1.550	4.229	1.99647	.45596	-6.26236	.21742	.47685	.06328	.01546	.00071
	GRADIENT	-.00007	11235	.00117	05390	-.00109	.01044	.00192	.00097

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DATE 29 OCT 76

TABULATED SOURCE DATA - 1A94A.

PAGE 132

LARC UPWT 1152(1A94A) OTSAT130

(TJK048) (18 JUN 76)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT
 LREF = 1290.3000 INCHES YMRP = .0000 IN. YT
 BREF = 1290.3000 INCHES ZMRP = 400.0000 IN. ZT
 SCALE = .0100

PARAMETRIC DATA

BETA = -4.000 ELV-L1 = 8.000
 ELV-LO = 2.000 ELV-R1 = 8.000
 ELV-RO = 2.000

RUN NO	80/ 0	RN/L =	2 00	GRADIENT INTERVAL =	-5.00/	5.00			
MACH	ALPHA	RN/L	L/DU	BETA	CLU	CDU	CNW	CBW	CTW
1.550	-8.445	1.99540	-.92122	-4.17853	-.50917	.55271	-.05522	-.00873	-.01083
1.550	-6.289	1.99576	-.71490	-4.17082	-.36756	.51414	-.04348	-.00460	-.01042
1.550	-4.202	1.99576	-.49327	-4.16700	-.24012	.48678	-.01881	-.00008	-.00900
1.550	-2.088	1.99322	-.24612	-4.16195	-.11546	.46912	.00879	.00503	-.00683
1.550	.016	1.99593	.00728	-4.16017	.00337	.46294	.03445	.00988	-.00451
1.550	2.164	1.99789	.24552	-4.15134	.11456	.46659	.05636	.01374	-.00161
1.550	4.225	1.99985	.45223	-4.16219	.21501	.47544	.07478	.01697	.00056
	GRADIENT	.00051	.11290	.00049	.05403	-.00120	.01112	.00203	.00115

LARC UPWT 1152(1A94A) OTSAT130

(TJK049) (18 JUN 76)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT
 LREF = 1290.3000 INCHES YMRP = .0000 IN. YT
 BREF = 1290.3000 INCHES ZMRP = 400.0000 IN. ZT
 SCALE = .0100

PARAMETRIC DATA

BETA = .000 ELV-L1 = 8.000
 ELV-LO = 2.000 ELV-R1 = 8.000
 ELV-RO = 2.000

RUN NO.	78/ 0	RN/L =	2.00	GRADIENT INTERVAL =	-5.00/	5.00			
MACH	ALPHA	RN/L	L/DU	BETA	CLU	CDU	CNW	CBW	CTW
1.550	-8.437	2.00447	-.90444	-.01279	-.49808	.55071	-.05477	-.00728	-.01226
1.550	-6.318	2.00482	-.70631	-.01412	-.36099	.51110	-.03404	-.00343	-.01175
1.550	-4.163	2.00393	-.47931	-.01266	-.23084	.48160	-.00795	.00126	-.01087
1.550	-2.064	2.00287	-.22817	-.01206	-.10651	.46680	.02073	.00657	-.00977
1.550	.026	2.00251	.01099	-.01415	.00507	.46132	.04734	.01144	-.00772
1.550	2.142	2.00127	.24374	-.01441	.11269	.46236	.07597	.01612	-.00397
1.550	4.241	2.00002	.45890	-.01430	.21568	.46999	.09591	.01969	-.00051
	GRADIENT	-.00045	.11175	-.00027	.05293	-.00131	.01251	.00221	.00126

DATE 29 OCT 76

TABULATED SOURCE DATA - 1A94A.

PAGE 133

LARC UPWT 1152(1A94A) OTSAT130

(TJK050) (18 JUN 76)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT
 LREF = 1290.3000 INCHES YMRP = .0000 IN. YT
 BREF = 1290.3000 INCHES ZMRP = 400.0000 IN. ZT
 SCALE = .0100

PARAMETRIC DATA

BETA = 4.000 ELV-LI = 8.000
 ELV-LO = 2.000 ELV-RI = 8.000
 ELV-RO = 2.000

RUN NO 81/ 0 RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	RN/L	L/DU	BETA	CLU	CDU	CNW	CBW	CTW
1.550	-8.441	2.00162	-.91775	4.15812	-.50778	.55329	-.04758	-.00655	-.01458
1.550	-6.335	2.00216	-.71298	4.15066	-.36809	.51627	-.02589	-.00289	-.01367
1.550	-4.166	2.00180	-.49244	4.14675	-.23975	.48686	-.00238	.00146	-.01340
1.550	-2.071	2.00180	-.23534	4.14274	-.11025	.46847	.02812	.00691	-.01200
1.550	.031	2.00198	.01155	4.14087	.00533	.46119	.06113	.01222	-.00920
1.550	2.142	2.00180	.24944	4.14168	.11538	.46256	.08624	.01691	-.00690
1.550	4.237	2.00198	.45267	4.14070	.21299	.47051	.10568	.02086	-.00424
	GRADIENT	.00002	.11299	-.00063	.05381	-.00184	.01305	.00232	.00111

LARC UPWT 1152(1A94A) OTSAT130

(TJK051) (18 JUN 76)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT
 LREF = 1290.3000 INCHES YMRP = .0000 IN. YT
 BREF = 1290.3000 INCHES ZMRP = 400.0000 IN. ZT
 SCALE = .0100

PARAMETRIC DATA

BETA = 6.000 ELV-LI = 8.000
 ELV-LO = 2.000 ELV-RI = 8.000
 ELV-RO = 2.000

RUN NO 82/ 0 RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	RN/L	L/DU	BETA	CLU	CDU	CNW	CBW	CTW
1.550	-8.431	2.00198	-.92738	6.24447	-.50958	.54948	-.04729	-.00629	-.01587
1.550	-6.312	2.00144	-.72436	6.23552	-.37319	.51519	-.02527	-.00246	-.01475
1.550	-4.184	2.00144	-.49305	6.22925	-.23996	.48669	-.00093	.00190	-.01397
1.550	-2.080	2.00198	-.24834	6.22449	-.11646	.46893	.02742	.00704	-.01315
1.550	.024	2.00162	.01185	6.22001	.00546	.46081	.05908	.01233	-.01062
1.550	2.125	2.00180	.24084	6.22062	.11149	.46293	.08918	.01726	-.00746
1.550	4.221	2.00162	.45982	6.21937	.21653	.47090	.11093	.02137	-.00454
	GRADIENT	.00001	.11397	-.00112	.05429	-.00179	.01359	.00234	.00117

DATE 29 OCT 76

TABULATED SOURCE DATA - 1A94A.

PAGE 134

LARC UPWT 1152(1A94A) OTSAT130

(TJK052) (18 JUN 76)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT
 LREF = 1290.3000 INCHES YMRP = .0000 IN. YT
 BREF = 1290.3000 INCHES ZMRP = 400.0000 IN. ZT
 SCALE = .0100

PARAMETRIC DATA

BETA = -5.000 ELV-L1 = 8.000
 ELV-LO = -5.000 ELV-R1 = 8.000
 ELV-RO = -5.000

RUN NO. 84/ 0 RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	RN/L	L/DU	BETA	CLU	CDU	CNW	CBW	CTW
1.550	-8.453	2.00127	-.95826	-6.29256	-.52937	.55243	-.06853	-.01057	-.00650
1.550	-6.341	2.00144	-.74019	-6.28125	-.38101	.51475	-.04739	-.00643	-.00593
1.550	-4.222	2.00180	-.51689	-6.27226	-.25169	.48693	-.02556	-.00213	-.00474
1.550	-2.079	2.00144	-.26110	-6.26646	-.12256	.46940	-.00034	.00267	-.00261
1.550	.034	2.00109	-.01272	-6.26623	-.00589	.46305	.02443	.00714	-.00025
1.550	2.107	2.00109	.22299	-6.26499	.10406	.46665	.04476	.01097	.00150
1.550	4.226	2.00091	.43546	-6.26562	.20627	.47367	.06247	.01419	.00302
	GRADIENT	-00010	11332	.00070	05420	-.00140	.01049	.00194	.00093

LARC UPWT 1152(1A94A) OTSAT130

(TJK053) (18 JUN 76)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT
 LREF = 1290.3000 INCHES YMRP = .0000 IN. YT
 BREF = 1290.3000 INCHES ZMRP = 400.0000 IN. ZT
 SCALE = .0100

PARAMETRIC DATA

BETA = -4.000 ELV-L1 = 8.000
 ELV-LO = -5.000 ELV-R1 = 8.000
 ELV-RO = -5.000

RUN NO. 85/ 0 RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	RN/L	L/DU	BETA	CLU	CDU	CNW	CBW	CTW
1.550	-8.454	2.00020	-.94717	-4.20054	-.52487	.55414	-.06636	-.01025	-.00771
1.550	-6.323	2.00073	-.74215	-4.19284	-.38169	.51430	-.04415	-.00602	-.00748
1.550	-4.216	2.00033	-.51491	-4.18809	-.25007	.48567	-.01865	-.00129	-.00609
1.550	-2.057	2.00109	-.26353	-4.18228	-.12320	.46750	.00844	.00380	-.00403
1.550	.021	2.00109	-.01604	-4.18210	-.00739	.46096	.03315	.00847	-.00178
1.550	2.140	2.00109	.21836	-4.18206	.10122	.46353	.05553	.01239	.00108
1.550	4.220	2.00144	.43525	-4.18183	.20544	.47201	.07488	.01580	.00330
	GRADIENT	.00010	11308	.00061	.05390	-.00150	.01112	.00203	.00113

DATE 29 OCT 76

TABULATED SOURCE DATA - 1A94A.

PAGE 135

LARC UPWT 1152(1A94A) OTSAT130

(TJK054) (18 JUN 76)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT
 LREF = 1290.3000 INCHES YMRP = .0000 IN. YT
 BREF = 1290.3000 INCHES ZMRP = 400.0000 IN. ZT
 SCALE = 0100

PARAMETRIC DATA

BETA = .000 ELV-LI = 8.000
 ELV-LO = -5.000 ELV-RI = 8.000
 ELV-RO = -5.000

RUN NO. 83/ 0 RN/L = 1 99 GRADIENT INTERVAL = -5 00/ 5.00

MACH	ALPHA	RN/L	L/DU	BETA	CLU	CDU	CNW	CBW	CTW
1.550	-8.460	1.99913	-93521	-.02980	-.51707	.55289	-.06554	-.00881	-.00973
1.550	-6.346	1.99860	-73704	-.03180	-.37708	.51161	-.03531	-.00486	-.00920
1.550	-4.203	1.99753	-.51396	-.03062	-.24749	.48153	-.00912	-.00013	-.00839
1.550	-2.064	1.99665	-.26027	-.03156	-.12117	.46555	-.01869	.00505	-.00714
1.550	.023	1.99540	-.01150	-.03233	-.00528	.45941	.04681	.01008	-.00505
1.550	2.119	1.99540	.21962	-.03384	.10096	.45972	.07501	.01474	-.00125
1.550	4.244	1.99487	.44135	-.03320	.20596	.46665	.09635	.01849	.00225
	GRADIENT	-.00031	.11342	-.00035	.05357	-.00169	.01268	.00223	.00129

LARC UPWT 1152(1A94A) OTSAT130

(TJK055) (18 JUN 76)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT
 LREF = 1290.3000 INCHES YMRP = .0000 IN. YT
 BREF = 1290.3000 INCHES ZMRP = 400.0000 IN. ZT
 SCALE = .0100

PARAMETRIC DATA

BETA = 4.000 ELV-LI = 8.000
 ELV-LO = -5.000 ELV-RI = 8.000
 ELV-RO = -5.000

RUN NO 85/ 0 RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	RN/L	L/DU	BETA	CLU	CDU	CNW	CBW	CTW
1.550	-8.439	2.00127	-.93598	4.15672	-.51843	.55389	-.04659	-.00782	-.01125
1.550	-6.325	2.00127	-.73078	4.15022	-.37636	.51501	-.02445	-.00403	-.01039
1.550	-4.199	2.00180	-.51855	4.14599	-.25204	.48604	-.00314	-.00001	-.01041
1.550	-2.076	2.00216	-.26295	4.14359	-.12271	.46667	.02830	.00552	-.00900
1.550	.016	2.00198	-.01496	4.14197	-.00687	.45909	.05999	.01070	-.00646
1.550	2.125	2.00269	.22598	4.13984	.10390	.45977	.08598	.01548	-.00409
1.550	4.227	2.00287	.43344	4.14025	.20257	.46735	.10578	.01954	-.00120
	GRADIENT	.00013	.11366	-.00072	.05395	-.00211	.01309	.00233	.00111

DATE 29 OCT 76

TABULATED SOURCE DATA - 1A94A.

PAGE 136

LARC UPWT 1152(1A94A) OTSAT130

(TJK056) (18 JUN 76)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT
 LREF = 1290.3000 INCHES YMRP = .0000 IN. YT
 BREF = 1290.3000 INCHES ZMRP = 400 0000 IN. ZT
 SCALE = .0100

PARAMETRIC DATA

BETA = 6.000 ELV-L1 = 8.000
 ELV-LO = -5.000 ELV-R1 = 8.000
 ELV-RO = -5.000

RUN NO. 87/ 0		RN/L = 2.00		GRADIENT INTERVAL = -5.00/ 5.00					
MACH	ALPHA	RN/L	L/DO	BETA	CLU	CDU	CNW	CBW	CTW
1.550	-8.450	2.00233	-.94720	6.24494	-.52074	.54977	-.04759	-.00770	-.01285
1.550	-6.343	2.00304	-.74698	6.23689	-.38414	.51426	-.02597	-.00388	-.01196
1.550	-4.180	2.00322	-.51947	6.22816	-.25231	.48571	-.00165	.00045	-.01112
1.550	-2.069	2.00340	-.26037	6.22217	-.12152	.46671	.02758	.00574	-.01023
1.550	.023	2.00340	-.02147	6.21865	-.00985	.45906	.05832	.01082	-.00769
1.550	2.132	2.00358	.21904	6.22087	.10087	.46048	.08888	.01585	-.00465
1.550	4.226	2.00358	.43850	6.22151	.20503	.46757	.11104	.02001	-.00170
	GRADIENT	00004	11400	- 00070	.05411	- 00202	.01364	.00234	.00116

LARC UPWT 1152(1A94A) OTSAT130

(TJK057) (18 JUN 76)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976 0000 IN. XT
 LREF = 1290.3000 INCHES YMRP = .0000 IN. YT
 BREF = 1290.3000 INCHES ZMRP = 400 0000 IN. ZT
 SCALE = .0100

PARAMETRIC DATA

BETA = -6.000 ELV-L1 = 8.000
 ELV-LO = -10.000 ELV-R1 = 8.000
 ELV-RO = -10.000

RUN NO. 89/ 0		RN/L = 2.00		GRADIENT INTERVAL = -5.00/ 5.00					
MACH	ALPHA	RN/L	L/DO	BETA	CLU	CDU	CNW	CBW	CTW
1.550	-8.457	2.00020	-.96319	-6.29008	-.53169	.55201	-.07702	-.01221	-.00712
1.550	-6.336	2.00002	-.75267	-6.27798	-.38729	.51455	-.05628	-.00802	-.00688
1.550	-4.185	1.99985	-.52283	-6.27263	-.25388	.48558	-.03307	-.00351	-.00560
1.550	-2.086	1.99967	-.27296	-6.26817	-.12792	.46863	-.00919	.00115	-.00363
1.550	.003	2.00002	-.02516	-6.26370	-.01163	.46243	.01565	.00566	-.00142
1.550	2.125	1.99985	.21307	-6.26557	.09917	.46542	.03598	.00943	.00048
1.550	4.237	2.00002	.43938	-6.26723	.20748	.47221	.05455	.01290	.00205
	GRADIENT	.00002	.11448	.00063	.05461	-.00142	.01047	.00195	.00092

DATE 29 OCT 76

TABULATED SOURCE DATA - 1A94A.

PAGE 137

LARC UPWT 1152(1A94A) OTSAT130

(TJK058) (18 JUN 76)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT
 LREF = 1290.3000 INCHES YMRP = .0000 IN. YT
 BREF = 1290.3000 INCHES ZMRP = 400.0000 IN. ZT
 SCALE = .0100

PARAMETRIC DATA

BETA = -4.000 ELV-LI = 8.000
 ELV-LO = -10.000 ELV-RI = 8.000
 ELV-RO = -10.000

RUN NO. 90/ 0 RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	RN/L	L/DU	BETA	CLU	CDU	CNW	CBW	CTW
1.550	-8.460	2.00020	-.95729	-4.19809	-.53076	.55444	-.07475	-.01180	-.00861
1.550	-6.323	2.00056	-.75205	-4.19091	-.38666	.51414	-.05306	-.00756	-.00829
1.550	-4.190	2.00109	-.53301	-4.18546	-.25886	.48565	-.02789	-.00291	-.00721
1.550	-2.078	2.00180	-.28077	-4.18518	-.13113	.46703	.00005	.00225	-.00487
1.550	.019	2.00216	-.02488	-4.18135	-.01146	.46053	.02606	.00715	-.00238
1.550	2.129	2.00216	.21092	-4.18069	.09750	.46226	.04853	.01110	.00012
1.550	4.232	2.00251	.43269	-4.18127	.20371	.47079	.06828	.01461	.00243
1.550	GRADIENT	.00015	.11511	.00061	.05481	-.00164	.01144	.00208	.00115

LARC UPWT 1152(1A94A) OTSAT130

(TJK059) (18 JUN 76)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT
 LREF = 1290.3000 INCHES YMRP = .0000 IN. YT
 BREF = 1290.3000 INCHES ZMRP = 400.0000 IN. ZT
 SCALE = .0100

PARAMETRIC DATA

BETA = .000 ELV-LI = 8.000
 ELV-LO = -10.000 ELV-RI = 8.000
 ELV-RO = -10.000

RUN NO. 88/ 0 RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	RN/L	L/DU	BETA	CLU	CDU	CNW	CBW	CTW
1.550	-8.462	2.00660	-.94404	-.01113	-.52110	.55199	-.06256	-.01022	-.00971
1.550	-6.302	2.00429	-.73627	-.01275	-.37503	.50937	-.04186	-.00622	-.00952
1.550	-4.182	2.00393	-.51782	-.01245	-.24848	.47986	-.01567	-.00152	-.00892
1.550	-2.073	2.00358	-.25952	-.01442	-.12038	.46387	.01112	.00359	-.00774
1.550	.028	2.00304	-.00494	-.01418	-.00226	.45782	.03911	.00867	-.00567
1.550	2.114	2.00322	.21890	-.01436	.10039	.45860	.06684	.01325	-.00220
1.550	4.254	2.00304	.44508	-.01475	.20701	.46511	.08804	.01710	.00127
1.550	GRADIENT	-.00010	.11416	-.00022	.05374	-.00165	.01249	.00223	.00123

DATE 29 OCT 76

TABULATED SOURCE DATA - 1A94A.

PAGE 138

LARC UPWT 1152(1A94A) OTSAT130

(TJK060) (18 JUN 76)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT
 LREF = 1290.3000 INCHES YMRP = .0000 IN. YT
 BREF = 1290.3000 INCHES ZMRP = 400.0000 IN. ZT
 SCALE = .0100

PARAMETRIC DATA

BETA = 4.000 ELV-L1 = 8.000
 ELV-LO = -10.000 ELV-R1 = 8.000
 ELV-RO = -10.000

RUN NO. 91/ 0 RN/L = 2.01 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	RN/L	L/DU	BETA	CLU	CDU	CNW	CBW	CTW
1.550	-8.445	2.00322	-94694	4.13920	-.52541	.55485	-.05589	-.00945	-.01208
1.550	-6.337	2.00358	-75061	4.13055	-.38735	.51604	-.03462	-.00582	-.01135
1.550	-4.174	2.00393	-.52366	4.12686	-.25425	.48553	-.01022	-.00135	-.01094
1.550	-2.099	2.00429	-.28701	4.12399	-.13405	.46706	.01718	.00370	-.01012
1.550	.011	2.00447	-.02847	4.12104	-.01307	.45920	.05103	.00916	-.00712
1.550	2.126	2.00464	.21381	4.12280	.09815	.45908	.07797	.01405	-.00483
1.550	4.217	2.00553	.42453	4.12063	.19801	.46642	.09689	.01809	-.00244
	GRADIENT	00017	.11412	-.00065	.05411	-.00220	.01309	.00234	.00106

LARC UPWT 1152(1A94A) OTSAT130

(TJK061) (18 JUN 76)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT
 LREF = 1290.3000 INCHES YMRP = .0000 IN. YT
 BREF = 1290.3000 INCHES ZMRP = 400.0000 IN. ZT
 SCALE = .0100

PARAMETRIC DATA

BETA = 6.000 ELV-L1 = 8.000
 ELV-LO = -10.000 ELV-R1 = 8.000
 ELV-RO = -10.000

RUN NO. 92/ 0 RN/L = 2.01 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	RN/L	L/DU	BETA	CLU	CDU	CNW	CBW	CTW
1.550	-8.441	2.00571	-.96000	6.24676	-.52922	.55127	-.05601	-.00926	-.01325
1.550	-6.324	2.00571	-.76032	6.23682	-.39151	.51493	-.03343	-.00539	-.01250
1.550	-4.193	2.00589	-.53632	6.22974	-.26053	.48577	-.01004	-.00118	-.01172
1.550	-2.069	2.00571	-.28430	6.22601	-.13275	.46695	.01829	.00400	-.01105
1.550	.008	2.00642	-.03625	6.22144	-.01663	.45876	.05076	.00935	-.00830
1.550	2.111	2.00696	.20089	6.22306	.09235	.45972	.08085	.01438	-.00552
1.550	4.227	2.00660	.43500	6.22005	.20306	.46681	.10342	.01869	-.00255
	GRADIENT	.00013	.11550	-.00106	.05482	-.00215	.01377	.00238	.00114

DATE 29 OCT 76

TABULATED SOURCE DATA - 1A94A.

PAGE 139

LARC UPWT 1152(1A94A) OTSAT129

(FJK001) (22 OCT 76)

REFERENCE DATA

SREF = 2690.0000 SQ.FT XMRP = 976.0000 IN XT
 LREF = 1290 3000 INCHES YMRP = 0000 IN. YT
 BREF = 1290 3000 INCHES ZMRP = 400 0000 IN. ZT
 SCALE = .0100

PARAMETRIC DATA

ELV-LI = .000 ELV-LO = .000
 ELV-RI = .000 ELV-RO = .000
 BETA = -6 000

RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH = 1.550

ALPHA	RN/L	L/DU	BETA	CLU	CDU	CNW	CBW	CTW
-8.000	2.00035	-.93646	-6 00000	- 51217	.54624	- .06448	- .00940	-.00554
-6 000	2 00038	- .74616	-6.00000	-.38159	.51159	-.04422	-.00557	-.00480
-4 000	2 00083	-.53284	-6 00000	-.25839	.48492	-.02032	-.00124	-.00289
-2 000	2 00080	-.29192	-6 00000	-.13710	.46966	.00355	.00334	-.00091
.000	2 00112	- .05999	-6 00000	-.02777	.46277	.02684	.00754	.00144
2 000	2 00107	.16656	-6 00000	.07738	.46461	.04731	.01109	.00398
4.000	2 00073	.37742	-6.00000	.17772	.47067	.06339	.01410	.00499
GRADIENT	00000	.11395	.00000	.05433	- .00168	.01055	.00192	.00103

RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH = 2.000

ALPHA	RN/L	L/DU	BETA	CLU	CDU	CNW	CBW	CTW
-8 000	1.99881	-1.01610	-6 00000	- 50262	.49530	-.03705	-.00608	-.00653
-6.000	1.99801	-.83670	-6.00000	- 38413	.45878	-.02346	-.00394	-.00597
-4 000	1.99831	- .62886	-6 00000	-.27151	.43196	- .00991	- .00133	-.00525
-2.000	1.99845	-.39618	-6 00000	-.16423	.41430	.01054	.00223	-.00369
.000	1.99828	-.15175	-6 00000	- .06151	.40598	.03060	.00582	-.00253
2 000	1.99783	.08927	-6 00000	.03596	.40417	.04768	.00888	- .00121
4.000	1.99760	.32032	-6.00000	.13097	.40807	.06385	.01167	.00107
GRADIENT	-.00010	.11919	.00000	.05026	- .00290	.00923	.00163	.00076

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DATE 29 OCT 76

TABULATED SOURCE DATA - 1A94A.

PAGE 140

LARC UPWT 1152(1A94A) OTSAT129

(FJK002) (22 OCT 76)

REFERENCE DATA

SREF = 2690.0000 SQ.FT XMRP = 976.0000 IN. XT
 LREF = 1290.3000 INCHES YMRP = .0000 IN. YT
 BREF = 1290.3000 INCHES ZMRP = 400.0000 IN. ZT
 SCALE = .0100

PARAMETRIC DATA

ELV-LI = .000 ELV-LO = .000
 ELV-RI = .000 ELV-RO = .000
 BETA = -4.000

RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH = 1.550	ALPHA	RN/L	L/DU	BETA	CLU	CDU	CNW	CBW	CTW
-8.000	2.00041	-92983	-4.00000	-50919	.54685	-.06204	-.00913	-.00645	
-6.000	2.00078	-74481	-4.00000	-37898	.50905	-.03987	-.00505	-.00568	
-4.000	2.00107	-53565	-4.00000	-25804	.48170	-.01692	-.00169	-.00453	
-2.000	2.00087	-29416	-4.00000	-13716	.46627	.00849	.00412	-.00281	
.000	2.00104	-05822	-4.00000	-02671	.45878	.03195	.00843	-.00051	
2.000	2.00159	17211	-4.00000	07920	.46025	.05484	.01219	.00251	
4.000	2.00133	.37718	-4.00000	.17638	.46737	.07220	.01528	.00434	
GRADIENT	00006	.11460	.00000	.05426	-.00173	01123	.00200	.00115	

RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH = 2.000	ALPHA	RN/L	L/DU	BETA	CLU	CDU	CNW	CBW	CTW
-8.000	1.99725	-1.01029	-4.00000	-.49815	.49369	-.03256	-.00568	-.00648	
-6.000	1.99739	-.83508	-4.00000	-.38171	.45691	-.02107	-.00362	-.00611	
-4.000	1.99768	-.62495	-4.00000	-.26814	.42920	-.00731	-.00099	-.00607	
-2.000	1.99760	-.39376	-4.00000	-.16226	.41189	.01184	.00244	-.00508	
.000	1.99751	-.15720	-4.00000	-.06340	.40392	.03093	.00593	-.00405	
2.000	1.99755	.08819	-4.00000	.03527	.40169	.05289	.00942	-.00140	
4.000	1.99745	.32068	-4.00000	.13061	.40628	.07033	.01248	.00147	
GRADIENT	-.00002	.11866	.00000	.04975	-.00280	.00982	.00170	.00094	

DATE 29 OCT 76

TABULATED SOURCE DATA - 1A94A.

PAGE 141

LARC UPWT 1152(1A94A) OTSAT129

(FJK003) (22 OCT 76)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT
 LREF = 1290.3000 INCHES YMRP = .0000 IN. YT
 BREF = 1290.3000 INCHES ZMRP = 400.0000 IN. ZT
 SCALE = .0100

PARAMETRIC DATA

ELV-LI = .000 ELV-LO = .000
 ELV-RI = .000 ELV-RO = .000
 BETA = .000

RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH = 1.550	ALPHA	RN/L	L/DU	BETA	CLU	CDU	CNW	CBW	CTW
-8.000	1.99904	-.91636	.00000	-.49853	.54327	-.05849	-.00830	-.00818	
-6.000	1.99903	-.73501	.00000	-.37078	.50467	-.03712	-.00447	-.00749	
-4.000	1.99949	-.52553	.00000	-.25103	.47764	-.01387	-.00013	-.00708	
-2.000	1.99912	-.28677	.00000	-.13300	.46381	.01312	.00499	-.00621	
.000	1.99931	-.04624	.00000	-.02124	.45926	.04172	.00985	-.00363	
2.000	1.99914	.16734	.00000	.07681	.45914	.06706	.01416	-.00058	
4.000	1.99896	.37520	.00000	.17443	.45461	.08753	.01773	.00272	
GRADIENT	-.00005	.11278	.00000	.05304	-.00154	.01284	.00224	.00126	

RN/L = 1.99 GRADIENT INTERVAL = -5.00/ 5.00

MACH = 2.000	ALPHA	RN/L	L/DU	BETA	CLU	CDU	CNW	CBW	CTW
-8.000	1.99867	-1.00970	.00000	-.49523	.49123	-.03140	-.00513	-.00900	
-6.000	1.99762	-.82403	.00000	-.37346	.45279	-.01564	-.00264	-.00758	
-4.000	1.99707	-.62257	.00000	-.26480	.42558	.00031	-.00016	-.00656	
-2.000	1.99679	-.40077	.00000	-.16407	.40918	.01708	.00264	-.00590	
.000	1.99559	-.15980	.00000	-.06406	.40150	.03395	.00583	-.00545	
2.000	1.99500	.08134	.00000	.03226	.39841	.05158	.00912	-.00499	
4.000	1.99431	.31582	.00000	.12688	.40089	.07052	.01255	-.00341	
GRADIENT	-.00037	.11795	.00000	.04898	-.00301	.00875	.00160	.00036	

DATE 29 OCT 76

TABULATED SOURCE DATA - 1A94A.

PAGE 142

LARC UPWT 1152(1A94A) OTSAT129

(FJK004) (22 OCT 76)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT
 LREF = 1290.3000 INCHES YMRP = .0000 IN. YT
 BREF = 1290.3000 INCHES ZMRP = 400.0000 IN. ZT
 SCALE = .0100

PARAMETRIC DATA

ELV-LI = .000 ELV-LO = .000
 ELV-RI = .000 ELV-RO = .000
 BETA = 4.000

RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH = 1.550	ALPHA	RN/L	L/DU	BETA	CLU	CDU	CNW	CBW	CTW
-8.000	2.00111	-.92952	4.00000	-.50684	.54446	-.04793	-.00736	-.01012	
-6.000	2.00088	-.74075	4.00000	-.37569	.50744	-.02605	-.00365	-.00924	
-4.000	2.00117	-.53166	4.00000	-.25567	.48078	-.00149	.00071	-.00823	
-2.000	2.00098	-.29510	4.00000	-.13653	.46270	.02780	.00582	-.00690	
.000	2.00100	-.05533	4.00000	-.02513	.45437	.05694	.01073	-.00489	
2.000	1.99959	.17981	4.00000	.08172	.45457	.08338	.01544	-.00246	
4.000	1.99882	.37885	4.00000	.17505	.46178	.10227	.01929	.00014	
GRADIENT	-.00030	.11480	.00000	.05398	-.00231	.01315	.00234	.00106	

RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH = 2.000	ALPHA	RN/L	L/DU	BETA	CLU	CDU	CNW	CBW	CTW
-8.000	1.99746	-.99610	4.00000	-.49141	.49398	-.02356	-.00437	-.00906	
-6.000	1.99759	-.81608	4.00000	-.37341	.45726	-.00669	-.00182	-.00839	
-4.000	1.99747	-.60736	4.00000	-.26028	.42867	.00768	.00049	-.00787	
-2.000	1.99755	-.38650	4.00000	-.15890	.41054	.02128	.00284	-.00756	
.000	1.99756	-.14902	4.00000	-.05988	.40278	.03885	.00566	-.00690	
2.000	1.99754	.09328	4.00000	.03705	.39948	.05434	.00853	-.00679	
4.000	1.99754	.32639	4.00000	.13204	.40331	.07027	.01160	-.00615	
GRADIENT	.00001	.11738	.00000	.04903	-.00309	.00791	.00140	.00021	

DATE 29 OCT 76

TABULATED SOURCE DATA - 1A94A.

PAGE 143

LARC UPWT 1152(1A94A) OTSAT129

(FJK005) (22 OCT 76)

REFERENCE DATA

SREF = 2690.0000 SQ.FT XMRP = 976.0000 IN. XT
 LREF = 1290.3000 INCHES YMRP = .0000 IN. YT
 BREF = 1290.3000 INCHES ZMRP = 400.0000 IN. ZT
 SCALE = 0100

PARAMETRIC DATA

ELV-LI = .000 ELV-LO = .000
 ELV-RI = .000 ELV-RO = .000
 BETA = 6.000

RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH = 1.550	ALPHA	RN/L	L/DU	BETA	CLU	CDU	CNW	CBW	CTW
-8.000	2.00083	-93806	6.00000	-.50932	.54222	-.04780	-.00713	-.01104	
-6.000	2.00127	-74343	6.00000	-.37766	.50822	-.02610	-.00334	-.01007	
-4.000	2.00245	-53034	6.00000	-.25562	.48190	-.00264	.00083	-.00920	
-2.000	2.00251	-.29331	6.00000	-.13595	.46353	.02668	.00598	-.00817	
.000	2.00236	-.05530	6.00000	-.02518	.45519	.05789	.01110	-.00588	
2.000	2.00247	.17153	6.00000	.07818	.45584	.08590	.01579	-.00331	
4.000	2.00267	.38079	6.00000	.17601	.46198	.10741	.01976	-.00057	
GRADIENT	.00002	.11435	.00000	.05387	-.00238	.01397	.00238	.00111	

RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH = 2.000	ALPHA	RN/L	L/DU	BETA	CLU	CDU	CNW	CBW	CTW
-8.000	1.99748	-1.00331	6.00000	-.49380	.49286	-.02456	-.00439	-.01047	
-6.000	1.99801	-.82282	6.00000	-.37539	.45587	-.00800	-.00192	-.01017	
-4.000	1.99757	-.62247	6.00000	-.26617	.42785	.00657	.00051	-.00935	
-2.000	1.99759	-.38588	6.00000	-.15807	.40933	.02095	.00303	-.00854	
.000	1.99815	-.14036	6.00000	-.05607	.40031	.03606	.00563	-.00831	
2.000	1.99784	.10074	6.00000	.03991	.39776	.05195	.00846	-.00806	
4.000	1.99772	.33391	6.00000	.13471	.40242	.06903	.01160	-.00704	
GRADIENT	.00003	.11997	.00000	.04999	-.00312	.00780	.00138	.00026	

DATE 29 OCT 76

TABULATED SOURCE DATA - 1A94A.

PAGE 144

LARC UPWT 1152(1A94A) OTSAT129 (INVERT())

(FJK006) (22 OCT 76)

REFERENCE DATA

SREF = 2690.0000 SQ FT. XMRP = 976.0000 IN. XT
 LREF = 1290.3000 INCHES YMRP = .0000 IN YT
 BREF = 1290.3000 INCHES ZMRP = 400.0000 IN. ZT
 SCALE = .0100

PARAMETRIC DATA

ELV-LI = .000 ELV-LO = .000
 ELV-RI = .000 ELV-RO = .000
 BETA = .000

RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH = 1.550

ALPHA	RN/L	L/DU	BETA	CLU	CDU	CNW	CBW	CTW
-4 000	1.99396	- 52899	.00000	- 25396	.47914	-.02314	-.00064	- .00837
-2 000	1.99428	-.29207	.00000	-.13546	.46427	.00382	.00440	-.00736
000	1.99505	-.04745	.00000	- .02185	.45974	.03280	.00943	-.00464
2 000	1.99450	.17463	.00000	.08024	.45954	.05905	.01385	-.00111
4 000	1.99486	.37628	.00000	.17459	.46399	.07969	.01745	.00232
6 000	1.99503	.57393	.00000	.27430	.47796	.09952	.02048	.00634
8 000	1.99551	.73559	.00000	.36695	.49863	.11299	.02273	.00900
GRADIENT	.00010	.11386	.00000	.05364	-.00175	.01304	.00228	.00138

RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH = 2.000

ALPHA	RN/L	L/DU	BETA	CLU	CDU	CNW	CBW	CTW
-4 000	1.99818	- 63153	.00000	- 26727	.42227	-.01007	-.00080	-.00895
-2 000	1.99836	-.40569	.00000	-.16441	.40575	.00677	.00204	-.00823
000	1.99854	-.16336	.00000	-.06514	.39826	.02408	.00523	-.00781
2 000	1.99854	.07286	.00000	.02900	.39658	.04184	.00847	-.00727
4 000	1.99875	.31182	.00000	.12432	.39947	.06181	.01197	-.00556
6 000	1.99876	.55142	.00000	.22792	.41249	.07994	.01560	-.00331
8 000	1.99824	.75665	.00000	.33179	.44011	.09654	.01898	-.00109
GRADIENT	.00007	.11826	.00000	.04883	-.00274	.00894	.00160	.00039

DATE 29 OCT 76

TABULATED SOURCE DATA - 1A94A.

PAGE 145

LARC UPWT 1152(1A94A) OTSAT130

(FJK007) (22 OCT 76)

REFERENCE DATA

PARAMETRIC DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT
 LREF = 1290.3000 INCHES YMRP = .0000 IN. YT
 BREF = 1290.3000 INCHES ZMRP = 400.0000 IN. ZT
 SCALE = .0100

ELV-LI = .000 ELV-LO = .000
 ELV-RI = .000 ELV-RO = .000
 BETA = -6.000

RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH = 1.550

ALPHA	RN/L	L/DU	BETA	CLU	CDU	CNW	CBW	CTW
-8.000	1.99787	-.93490	-6.00000	-.50774	.54246	-.07121	-.00984	-.00520
-6.000	1.99851	-.74447	-6.00000	-.37891	.50911	-.05158	-.00608	-.00452
-4.000	1.99935	-.52978	-6.00000	-.25584	.48291	-.02989	-.00183	-.00315
-2.000	1.99936	-.29356	-6.00000	-.13722	.46741	-.00600	.00268	-.00109
.000	1.99936	-.04884	-6.00000	-.02250	.46066	.01776	.00704	.00085
2.000	1.99969	.17098	-6.00000	.07925	.46356	.03726	.01062	.00276
4.000	1.99941	.38578	-6.00000	.18130	.46978	.05462	.01377	.00451
GRADIENT	.00002	.11478	.00000	.05454	-.00151	.01061	.00196	.00096

RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH = 2.000

ALPHA	RN/L	L/DU	BETA	CLU	CDU	CNW	CBW	CTW
-8.000	1.99826	-1.00568	-6.00000	-.49435	.49222	-.04370	-.00631	-.00644
-6.000	1.99850	-.82384	-6.00000	-.37692	.45722	-.03287	-.00420	-.00636
-4.000	1.99807	-.61545	-6.00000	-.26431	.42956	-.01800	-.00157	-.00581
-2.000	1.99790	-.38239	-6.00000	-.15775	.41247	.00191	.00189	-.00447
.000	1.99823	-.13989	-6.00000	-.05657	.40457	.02092	.00535	-.00320
2.000	1.99817	.09966	-6.00000	.04013	.40335	.03657	.00840	-.00191
4.000	1.99803	.33333	-6.00000	.13609	.40759	.05323	.01124	.00050
GRADIENT	.00001	.11898	.00000	.04993	-.00265	.00886	.00161	.00076

DATE 29 OCT 76

TABULATED SOURCE DATA - 1A94A.

PAGE 146

LARC UPWT 1152(1A94A) OTSAT130

(FJK008) (22 OCT 76)

REFERENCE DATA

SREF = 2690.0000 SQ.FT XMRP = 976.0000 IN. XT
 LREF = 1290.3000 INCHES YMRP = .0000 IN. YT
 BREF = 1290.3000 INCHES ZMRP = 400.0000 IN. ZT
 SCALE = .0100

PARAMETRIC DATA

ELV-LI = .000 ELV-LO = .000
 ELV-RI = .000 ELV-RO = .000
 BETA = -4.000

RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH = 1.550	ALPHA	RN/L	L/DU	BETA	CLU	CDU	CNW	CBW	CTW
-8.000	1.99871	-.93134	-4.00000	-.50657	.54316	-.07077	-.00965	-.00649	
-6.000	1.99896	-.74513	-4.00000	-.37709	.50629	-.04955	-.00572	-.00595	
-4.000	1.99873	-.53374	-4.00000	-.25635	.48021	-.02562	-.00132	-.00476	
-2.000	1.99904	-.29380	-4.00000	-.13659	.46489	.00086	.00362	-.00254	
.000	1.99877	-.05015	-4.00000	-.02298	.45826	.02579	.00831	-.00030	
2.000	1.99815	.17865	-4.00000	.08218	.46006	.04622	.01197	.00196	
4.000	1.99867	.38734	-4.00000	.18107	.46719	.06480	.01517	.00426	
GRADIENT	-.00000	.11573	00000	.05468	-.00154	.01131	.00207	.00113	

RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH = 2.000	ALPHA	RN/L	L/DU	BETA	CLU	CDU	CNW	CBW	CTW
-8.000	1.99828	-.100514	-4.00000	-.49326	.49149	-.04193	-.00617	-.00700	
-6.000	1.99822	-.82003	-4.00000	-.37314	.45469	-.02904	-.00385	-.00661	
-4.000	1.99822	-.60990	-4.00000	-.26067	.42754	-.01418	-.00119	-.00609	
-2.000	1.99839	-.38046	-4.00000	-.15636	.41095	.00421	.00217	-.00529	
.000	1.99819	-.13824	-4.00000	-.05556	.40183	.02410	.00571	-.00401	
2.000	1.99819	.10087	-4.00000	.04036	.40054	.04583	.00928	-.00130	
4.000	1.99820	.32910	-4.00000	.13394	.40624	.06232	.01230	.00110	
GRADIENT	-.00001	.11797	00000	.04930	-.00265	.00973	.00170	.00092	

DATE 29 OCT 76

TABULATED SOURCE DATA - 1A94A.

PAGE 147

LARC UPWT 1152(1A94A) OTSAT130

(FJK009) (22 OCT 76)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT
 LREF = 1290.3000 INCHES YMRP = .0000 IN. YT
 BREF = 1290.3000 INCHES ZMRP = 400.0000 IN. ZT
 SCALE = .0100

PARAMETRIC DATA

ELV-L1 = .000 ELV-LO = .000
 ELV-R1 = .000 ELV-RO = .000
 BETA = .000

RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH = 1.550

ALPHA	RN/L	L/DU	BETA	CLU	CDU	CNW	CBW	CTW
-8.000	1.99758	-.91829	.00000	-.49350	.53661	-.06267	-.00847	-.00774
-6.000	1.99723	-.73743	.00000	-.36729	.49831	-.04155	-.00469	-.00710
-4.000	1.98264	-.52101	.00000	-.24730	.47455	-.01524	-.00005	-.00591
-2.000	1.99923	-.27616	.00000	-.12754	.46189	.01259	.00508	-.00466
.000	1.99990	-.04248	.00000	-.01942	.45733	.03920	.00983	-.00280
2.000	2.00152	.17600	.00000	.08032	.45650	.06601	.01427	.00065
4.000	1.99973	.38823	.00000	.17952	.46205	.08592	.01779	.00375
GRADIENT	.00232	.11353	.00000	.05307	-.00152	.01279	.00224	.00123

RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH = 2.000

ALPHA	RN/L	L/DU	BETA	CLU	CDU	CNW	CBW	CTW
-8.000	2.00051	-.99707	.00000	-.48757	.48981	-.03348	-.00517	-.00741
-6.000	1.99850	-.81065	.00000	-.36719	.45253	-.02033	-.00290	-.00683
-4.000	1.99877	-.61253	.00000	-.26102	.42638	-.00528	-.00044	-.00593
-2.000	1.99822	-.39324	.00000	-.16117	.40968	.01158	.00240	-.00510
.000	1.99947	-.14926	.00000	-.05976	.40072	.03036	.00564	-.00447
2.000	1.99984	.08741	.00000	.03478	.39865	.04681	.00874	-.00432
4.000	1.99999	.32111	.00000	.12937	.40219	.06408	.01198	-.00345
GRADIENT	.00010	.11740	.00000	.04884	-.00297	.00870	.00156	.00029

DATE 29 OCT 76

TABULATED SOURCE DATA - 1A94A.

PAGE 148

LARC UPWT 1152(1A94A) OTSAT130

(FJK010) (22 OCT 76)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT
 LREF = 1290.3000 INCHES YMRP = 0000 IN. YT
 BREF = 1290.3000 INCHES ZMRP = 400.0000 IN. ZT
 SCALE = .0100

PARAMETRIC DATA

ELV-L1 = .000 ELV-LO = .000
 ELV-R1 = .000 ELV-RO = .000
 BETA = 4.000

RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH = 1.550	ALPHA	RN/L	L/DU	BETA	CLU	CDU	CNW	CBW	CTW
-8.000	1.99942	-.92817	4.00000	-.50419	.54243	-.05453	-.00779	-.00933	
-6.000	1.99976	-.73560	4.00000	-.37198	.50591	-.03406	-.00425	-.00873	
-4.000	1.93915	-.51820	4.00000	-.24836	.47921	-.00917	.00019	-.00807	
-2.000	1.99982	-.28222	4.00000	-.13044	.46223	.01939	.00532	-.00695	
.000	1.99967	-.04673	4.00000	-.02128	.45539	.05086	.01038	-.00463	
2.000	1.99965	.17934	4.00000	.08161	.45523	.07502	.01484	-.00256	
4.000	2.00044	.39411	4.00000	.18243	.46251	.09447	.01881	-.00009	
GRADIENT	00012	.11431	00000	.05368	-.00202	.01315	.00234	.00102	

RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH = 2.000	ALPHA	RN/L	L/DU	BETA	CLU	CDU	CNW	CBW	CTW
-8.000	1.99843	-.98227	4.00000	-.48141	.49085	-.02827	-.00465	-.00854	
-6.000	1.99817	-.80356	4.00000	-.36504	.45392	-.01286	-.00222	-.00796	
-4.000	1.99836	-.59889	4.00000	-.25556	.42691	.00095	.00006	-.00747	
-2.000	1.99796	-.37394	4.00000	-.15349	.41030	.01650	.00258	-.00661	
.000	1.99805	-.13487	4.00000	-.05417	.40233	.03228	.00533	-.00638	
2.000	1.99825	.10579	4.00000	.04211	.39959	.04785	.00817	-.00644	
4.000	1.99835	.33740	4.00000	.13656	.40376	.06496	.01124	-.00571	
GRADIENT	.00001	.11762	.00000	.04899	-.00285	.00797	.00140	.00018	

DATE 29 OCT 76

TABULATED SOURCE DATA - 1A94A.

PAGE 149

LARC UPWT 1152(1A94A) OTSAT130

(FJK011) (22 OCT 76)

REFERENCE DATA

SREF = 2690.0000 SQ.FT XMRP = 976.0000 IN. XT
 LREF = 1290.3000 INCHES YMRP = 0000 IN. YT
 BREF = 1290.3000 INCHES ZMRP = 400.0000 IN. ZT
 SCALE = .0100

PARAMETRIC DATA

ELV-LI = .000 ELV-LO = .000
 ELV-RI = .000 ELV-RO = .000
 BETA = 6.000

RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH = 1.550	ALPHA	RN/L	L/DU	BETA	CLU	CDU	CNW	CBW	CTW
-8.000	2.00005	-.93533	6.00000	- 50630	.54061	- .05465	-.00750	-.01052	
-6.000	1.99987	-.73877	6.00000	-.37447	.50710	-.03304	-.00376	-.00972	
-4.000	2.00008	-.52696	6.00000	- 25355	.48109	-.01032	.00035	-.00924	
-2.000	2.00005	-.29438	6.00000	- 13645	.46352	.01717	.00531	-.00853	
.000	2.00012	-.04917	6.00000	-.02240	.45544	.04897	.01046	-.00610	
2.000	2.00041	.18110	6.00000	.08264	.45639	.07808	.01525	-.00336	
4.000	2.00042	.39354	6.00000	.18216	.46262	.09908	.01924	-.00051	
GRADIENT	00005	.11582	00000	.05453	-.00220	.01399	.00239	.00113	

RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH = 2.000	ALPHA	RN/L	L/DU	BETA	CLU	CDU	CNW	CBW	CTW
-8.000	1.99896	-.99023	6.00000	- 48413	.48961	- .03220	-.00487	.01052	
-6.000	1.99911	-.81371	6.00000	- 37011	.45460	-.01620	-.00229	.00968	
-4.000	1.99916	-.60485	6.00000	-.25771	.42617	-.00088	.00022	-.00879	
-2.000	1.99911	-.36749	6.00000	-.15005	.40820	.01377	.00270	-.00822	
.000	1.99907	-.12702	6.00000	- .05073	.40800	.02958	.00540	-.00772	
2.000	1.99869	.11104	6.00000	.04405	.39810	.04494	.00811	-.00748	
4.000	1.99877	.34640	6.00000	.14007	.40335	.06248	.01119	-.00666	
GRADIENT	-.00006	.11905	00000	.04948	-.00279	.00790	.00137	.00025	

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DATE 29 OCT 76

TABULATED SOURCE DATA - 1A94A.

PAGE 150

LARC UPWT 1152(1A94A) OTSAT130

(FJK012) (22 OCT 76)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT
 LREF = 1290.3000 INCHES YMRP = .0000 IN. YT
 BREF = 1290.3000 INCHES ZMRP = 400.0000 IN. ZT
 SCALE = .0100

PARAMETRIC DATA

ELV-L1 = .000 ELV-L0 = -5.000
 ELV-R1 = .000 ELV-R0 = -5.000
 BETA = -6.000

RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH = 2.000

ALPHA	RN/L	L/DU	BETA	CLU	CDU	CNW	CBW	CTW
-8.000	1.99797	-1.02905	-6.00000	-.50704	.49337	-.05041	-.00754	-.00475
-6.000	1.99748	-.84148	-6.00000	-.38577	.45810	-.03864	-.00528	-.00452
-4.000	1.99789	-.63497	-6.00000	-.27347	.43081	-.02446	-.00273	-.00414
-2.000	1.99766	-.41266	-6.00000	-.17079	.41378	-.00485	.00063	-.00282
.000	1.99773	-.16630	-6.00000	-.06745	.40593	.01336	.00407	-.00175
2.000	1.99725	.07825	-6.00000	.03151	.40400	.02895	.00719	-.00060
4.000	1.99647	.30677	-6.00000	.12539	.40792	.04604	.01004	.00180
GRADIENT	-.00016	.11872	.00000	.05000	-.00278	.00874	.00160	.00070

LARC UPWT 1152(1A94A) OTSAT130

(FJK013) (22 OCT 76)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT
 LREF = 1290.3000 INCHES YMRP = .0000 IN. YT
 BREF = 1290.3000 INCHES ZMRP = 400.0000 IN. ZT
 SCALE = .0100

PARAMETRIC DATA

ELV-L1 = .000 ELV-L0 = -5.000
 ELV-R1 = .000 ELV-R0 = -5.000
 BETA = -4.000

RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH = 2.000

ALPHA	RN/L	L/DU	BETA	CLU	CDU	CNW	CBW	CTW
-8.000	1.99523	-1.02481	-4.00000	-.50488	.49332	-.04923	-.00739	-.00568
-6.000	1.99674	-.84561	-4.00000	-.38660	.45690	-.03704	-.00513	-.00542
-4.000	2.00017	-.63824	-4.00000	-.27390	.42925	-.02282	-.00254	-.00497
-2.000	2.00239	-.41527	-4.00000	-.17114	.41207	-.00401	.00081	-.00408
.000	2.00313	-.17310	-4.00000	-.06980	.40335	.01470	.00428	-.00320
2.000	2.00168	.07319	-4.00000	.02932	.40170	.03697	.00793	-.00042
4.000	1.99818	.30352	-4.00000	.12381	.40700	.05465	.01102	.00220
GRADIENT	-.00023	.11860	.00000	.04979	-.00274	.00980	.00171	.00090

DATE 29 OCT 76

TABULATED SOURCE DATA - 1A94A.

PAGE 151

LARC UPWT 1152(1A94A) OTSAT130

(FJK014) (22 OCT 76)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT
 LREF = 1290.3000 INCHES YMRP = 0000 IN. YT
 BREF = 1290.3000 INCHES ZMRP = 400.0000 IN. ZT
 SCALE = .0100

PARAMETRIC DATA

ELV-LI = .000 ELV-LO = -5.000
 ELV-RI = .000 ELV-RO = -5.000
 BETA = .000

RN/L = 1.99 GRADIENT INTERVAL = -5.00/ 5.00

MACH = 2.000

ALPHA	RN/L	L/DU	BETA	CLU	CDU	CNW	CBW	CTW
-8.000	2.00367	-1.01580	.00000	-.49518	.48814	-.04011	-.00645	-.00544
-6.000	2.00181	-.84073	.00000	-.37992	.45161	-.02557	-.00403	-.00443
-4.000	1.99558	-.63712	.00000	-.27044	.42461	-.00974	-.00148	-.00349
-2.000	1.99536	-.41459	.00000	-.16928	.40822	.00590	.00120	-.00291
.000	1.99561	-.18000	.00000	-.07200	.40020	.02439	.00437	-.00232
2.000	1.99386	.06661	.00000	.02646	.39829	.04066	.00758	-.00232
4.000	1.99228	.30280	.00000	.12191	.40189	.05747	.01073	-.00154
GRADIENT	-.00051	.11805	.00000	.04902	-.00277	.00846	.00154	.00022

LARC UPWT 1152(1A94A) OTSAT130

(FJK015) (22 OCT 76)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT
 LREF = 1290.3000 INCHES YMRP = 0000 IN. YT
 BREF = 1290.3000 INCHES ZMRP = 400.0000 IN. ZT
 SCALE = .0100

PARAMETRIC DATA

ELV-LI = .000 ELV-LO = -5.000
 ELV-RI = .000 ELV-RO = -5.000
 BETA = 4.000

RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH = 2.000

ALPHA	RN/L	L/DU	BETA	CLU	CDU	CNW	CBW	CTW
-8.000	2.00103	-1.00835	4.00000	-.49673	.49326	-.03663	-.00602	-.00748
-6.000	2.00080	-.83092	4.00000	-.37988	.45686	-.02121	-.00348	-.00705
-4.000	2.00094	-.63197	4.00000	-.27146	.42973	-.00719	-.00119	-.00655
-2.000	2.00142	-.41370	4.00000	-.17068	.41242	.00774	.00123	-.00578
.000	2.00083	-.11923	4.00000	-.06869	.40397	.02346	.00399	-.00565
2.000	2.00140	.07456	4.00000	.02981	.40155	.03992	.00692	-.00556
4.000	2.00163	.30766	4.00000	.12500	.40539	.05665	.00990	-.00478
GRADIENT	.00007	.11838	.00000	.04967	-.00298	.00799	.00139	.00019

DATE 29 OCT 76

TABULATED SOURCE DATA - 1A94A.

PAGE 152

LARC UPWT 1152(1A94A) OTSAT130

(FJK016) (22 OCT 76)

REFERENCE DATA

SREF = 2690.0000 SQ.FT XMRP = 976.0000 IN. XT
 LREF = 1290.3000 INCHES YMRP = .0000 IN. YT
 BREF = 1290.3000 INCHES ZMRP = 400.0000 IN. ZT
 SCALE = .0100

PARAMETRIC DATA

ELV-L1 = .000 ELV-LO = -5.000
 ELV-R1 = .000 ELV-RO = -5.000
 BETA = 6.000

RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH = 2.000

ALPHA	RN/L	L/DU	BETA	CLU	CDU	CNW	CBW	CTW
-8.000	2.00113	-1.01579	6.00000	-.50070	.49350	-.04038	-.00612	-.00961
-6.000	2.00119	-.83842	6.00000	-.38401	.45770	-.02451	-.00357	-.00905
-4.000	2.00189	-.63489	6.00000	-.27244	.42927	-.00993	-.00113	-.00832
-2.000	2.00171	-.40370	6.00000	-.16596	.41089	.00484	.00137	-.00758
.000	2.00194	-.16754	6.00000	-.06734	.40265	.01962	.00394	-.00722
2.000	2.00202	.07508	6.00000	.02989	.40039	.03588	.00675	-.00690
4.000	2.00224	.31161	6.00000	.12654	.40497	.05332	.00979	-.00610
GRADIENT	.00005	.11859	.00000	.04969	-.00296	.00788	.00136	.00026

LARC UPWT 1152(1A94A) OTSAT130

(FJK017) (22 OCT 76)

REFERENCE DATA

SREF = 2690.0000 SQ.FT XMRP = 976.0000 IN. XT
 LREF = 1290.3000 INCHES YMRP = .0000 IN. YT
 BREF = 1290.3000 INCHES ZMRP = 400.0000 IN. ZT
 SCALE = .0100

PARAMETRIC DATA

ELV-L1 = 10.000 ELV-LO = -5.000
 ELV-R1 = 10.000 ELV-RO = -5.000
 BETA = -6.000

RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH = 1.550

ALPHA	RN/L	L/DU	BETA	CLU	CDU	CNW	CBW	CTW
-8.000	1.99701	-.89908	-6.00000	-.49060	.54486	-.05407	-.00898	-.00604
-6.000	1.99669	-.69534	-6.00000	-.35497	.51073	-.03309	-.00500	-.00517
-4.000	1.99640	-.47777	-6.00000	-.23189	.48530	-.01133	-.00079	-.00384
-2.000	1.99820	-.24142	-6.00000	-.11355	.47035	.01136	.00357	-.00218
.000	2.00238	-.00074	-6.00000	-.00034	.46449	.03518	.00794	-.00025
2.000	2.00298	.21836	-6.00000	.10203	.46731	.05519	.01158	.00180
4.000	2.00260	.42936	-6.00000	.20353	.47383	.07186	.01474	.00317
GRADIENT	.00086	.11370	.00000	.05432	-.00130	.01051	.00195	.00090

DATE 29 OCT 76

TABULATED SOURCE DATA - 1A94A.

PAGE 153

LARC UPWT 1152(1A94A) OTSAT130

(FJK017) (22 OCT 76)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT
 LREF = 1290.3000 INCHES YMRP = .0000 IN. YT
 BREF = 1290.3000 INCHES ZMRP = 400.0000 IN. ZT
 SCALE = .0100

PARAMETRIC DATA

ELV-LI = 10.000 ELV-LO = -5.000
 ELV-RI = 10.000 ELV-RO = -5.000
 BETA = -6.000

RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH = 2.000

ALPHA	RN/L	L/DU	BETA	CLU	CDU	CNW	CBW	CTW
-8.000	1.99410	-.99575	-6.00000	-.49216	.49492	-.02762	-.00558	-.00790
-6.000	1.99448	-.81335	-6.00000	-.37382	.45926	-.01610	-.00341	-.00744
-4.000	1.99834	-.60826	-6.00000	-.26308	.43271	-.00263	-.00093	-.00699
-2.000	1.99920	-.37878	-6.00000	-.15735	.41521	.01654	.00240	-.00576
.000	1.99935	-.13911	-6.00000	-.05652	.40675	.03397	.00578	-.00492
2.000	1.99927	.10390	-6.00000	.04208	.40571	.04932	.00884	-.00366
4.000	1.99909	.33288	-6.00000	.13672	.41009	.06595	.01164	-.00123
GRADIENT	.00008	.11925	.00000	.04995	-.00274	.00850	.00158	.00068

LARC UPWT 1152(1A94A) OTSAT130

(FJK018) (22 OCT 76)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT
 LREF = 1290.3000 INCHES YMRP = .0000 IN. YT
 BREF = 1290.3000 INCHES ZMRP = 400.0000 IN. ZT
 SCALE = .0100

PARAMETRIC DATA

ELV-LI = 10.000 ELV-LO = -5.000
 ELV-RI = 10.000 ELV-RO = -5.000
 BETA = -4.000

RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH = 1.550

ALPHA	RN/L	L/DU	BETA	CLU	CDU	CNW	CBW	CTW
-8.000	2.00313	-.88652	-4.00000	-.48397	.54501	-.05043	-.00854	-.00749
-6.000	2.00268	-.69053	-4.00000	-.35180	.50978	-.02893	-.00452	-.00702
-4.000	2.00235	-.48312	-4.00000	-.23435	.48495	-.00632	-.00023	-.00607
-2.000	2.00229	-.24906	-4.00000	-.11661	.46825	.01977	.00465	-.00406
.000	2.00290	-.00462	-4.00000	-.00213	.46190	.04313	.00920	-.00215
2.000	2.00253	.22206	-4.00000	.10305	.46414	.06513	.01299	.00082
4.000	2.00280	.43014	-4.00000	.20308	.47184	.08262	.01622	.00271
GRADIENT	.00006	.11488	.00000	.05473	-.00152	.01116	.00206	.00112

DATE 29 OCT 76

TABULATED SOURCE DATA - 1A94A.

PAGE 154

LARC UPWT 1152(1A94A) OTSAT130

(FJK018) (22 OCT 76)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT
 LREF = 1290.3000 INCHES YMRP = 0000 IN. YT
 BREF = 1290.3000 INCHES ZMRP = 400.0000 IN. ZT
 SCALE = .0100

PARAMETRIC DATA

ELV-LI = 10.000 ELV-LO = -5.000
 ELV-RI = 10.000 ELV-RO = -5.000
 BETA = -4.000

RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH = 2.000

ALPHA	RN/L	L/DU	BETA	CLU	CDU	CNW	CBW	CTW
-8.000	1.99850	-.99803	-4.00000	-.49309	.49480	-.02538	-.00535	-.00862
-6.000	1.99925	-.81081	-4.00000	-.37190	.45832	-.01300	-.00304	-.00828
-4.000	1.99929	-.60652	-4.00000	-.26151	.43139	-.00019	-.00057	-.00786
-2.000	1.99895	-.37923	-4.00000	-.15709	.41404	.01813	.00271	-.00691
.000	1.99883	-.13872	-4.00000	-.05617	.40538	.03675	.00612	-.00604
2.000	1.99919	.10327	-4.00000	.04158	.40376	.05788	.00963	-.00354
4.000	1.99967	.32992	-4.00000	.13527	.40912	.07444	.01264	-.00113
GRADIENT	00005	.11777	.00000	.04961	-.00274	.00945	.00167	.00084

LARC UPWT 1152(1A94A) OTSAT130

(FJK019) (22 OCT 76)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT
 LREF = 1290.3000 INCHES YMRP = 0000 IN. YT
 BREF = 1290.3000 INCHES ZMRP = 400.0000 IN. ZT
 SCALE = .0100

PARAMETRIC DATA

ELV-LI = 10.000 ELV-LO = -5.000
 ELV-RI = 10.000 ELV-RO = -5.000
 BETA = .000

RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH = 1.550

ALPHA	RN/L	L/DU	BETA	CLU	CDU	CNW	CBW	CTW
-8.000	1.99973	-.86413	.00000	-.46964	.54272	-.04230	-.00716	-.00877
-6.000	1.99904	-.68001	.00000	-.34414	.50632	-.02163	-.00343	-.00822
-4.000	1.99857	-.47180	.00000	-.22701	.48109	.00324	.00096	-.00734
-2.000	1.99823	-.23258	.00000	-.10859	.46694	.03044	.00600	-.00606
.000	1.99772	.00421	.00000	.00194	.46097	.05657	.01073	-.00404
2.000	1.99826	.22128	.00000	.10216	.46176	.08367	.01511	-.00049
4.000	1.99736	.42451	.00000	.19883	.46813	.10359	.01865	.00291
GRADIENT	-.00012	.11232	.00000	.05312	-.00155	.01270	.00223	.00129

DATE 29 OCT 76

TABULATED SOURCE DATA - 1A94A.

PAGE 155

LARC UPWT 1152(1A94A) OTSAT130

(FJK019) (22 OCT 76)

REFERENCE DATA

SREF = 2690.0000 SQ FT. XMRP = 976.0000 IN. XT
 LREF = 1290.3000 INCHES YMRP = .0000 IN. YT
 BREF = 1290.3000 INCHES ZMRP = 400.0000 IN. ZT
 SCALE = .0100

PARAMETRIC DATA

ELV-LI = 10.000 ELV-LO = -5.000
 ELV-RI = 10.000 ELV-RO = -5.000
 BETA = .000

RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH = 2.000

ALPHA	RN/L	L/DU	BETA	CLU	CDU	CNW	CBW	CTW
-8.000	2.00273	-.97550	.00000	-.48138	.49420	-.02066	-.00445	-.01071
-6.000	2.00297	-.80498	.00000	-.36815	.45701	-.00619	-.00206	-.00961
-4.000	1.99803	-.60611	.00000	-.26071	.43031	.00958	.00043	-.00827
-2.000	1.99572	-.38969	.00000	-.16131	.41380	.02597	.00313	-.00743
.000	1.99702	-.14716	.00000	-.05965	.40579	.04507	.00637	-.00664
2.000	1.99777	.09304	.00000	.03745	.40362	.06070	.00940	-.00667
4.000	1.99768	.32240	.00000	.13155	.40723	.07703	.01245	-.00588
GRADIENT	.00007	.11699	.00000	.04916	-.00282	.00848	.00152	.00028

LARC UPWT 1152(1A94A) OTSAT130

(FJK020) (22 OCT 76)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT
 LREF = 1290.3000 INCHES YMRP = .0000 IN. YT
 BREF = 1290.3000 INCHES ZMRP = 400.0000 IN. ZT
 SCALE = .0100

PARAMETRIC DATA

ELV-LI = 10.000 ELV-LO = -5.000
 ELV-RI = 10.000 ELV-RO = -5.000
 BETA = 4.000

RN/L = 2.01 GRADIENT INTERVAL = -5.00/ 5.00

MACH = 1.550

ALPHA	RN/L	L/DU	BETA	CLU	CDU	CNW	CBW	CTW
-8.000	2.00642	-.88709	4.00000	-.48554	.54658	-.03311	-.00646	-.01191
-6.000	2.00677	-.69655	4.00000	-.35577	.51101	-.01412	-.00307	-.01166
-4.000	2.00623	-.48378	4.00000	-.23425	.48413	.00857	.00112	-.01114
-2.000	2.00610	-.24788	4.00000	-.11574	.46693	.03821	.00629	-.00961
.000	2.00645	-.01118	4.00000	-.00513	.45976	.06811	.01113	-.00725
2.000	2.00650	.21288	4.00000	.09795	.46021	.09298	.01566	-.00493
4.000	2.00615	.41914	4.00000	.19592	.46715	.11174	.01960	-.00255
GRADIENT	.00001	.11333	.00000	.05370	-.00203	.01306	.00232	.00109

DATE 29 OCT 76

TABULATED SOURCE DATA - 1A94A.

PAGE 156

LARC UPWT 1152(1A94A) OTSAT130

(FJK020) (22 OCT 76)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT
 LREF = 1290.3000 INCHES YMRP = .0000 IN. YT
 BREF = 1290.3000 INCHES ZMRP = 400.0000 IN. ZT
 SCALE = .0100

PARAMETRIC DATA

ELV-LI = 10.000 ELV-LO = -5.000
 ELV-RI = 10.000 ELV-RO = -5.000
 BETA = 4.000

RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH = 2.000

ALPHA	RN/L	L/DU	BETA	CLU	CDU	CNW	CBW	CTW
-8.000	1.99978	-.98166	4.00000	-.48378	.49351	-.01085	-.00368	-.01142
-6.000	1.99981	-.79803	4.00000	-.36561	.45776	.00391	-.00120	-.01089
-4.000	1.99954	-.59250	4.00000	-.25552	.43147	.01777	.00109	-.01031
-2.000	1.99954	-.36937	4.00000	-.15317	.41448	.03231	.00352	-.00956
.000	1.99946	-.13483	4.00000	-.05465	.40599	.04773	.00618	-.00941
2.000	1.99939	.10837	4.00000	.04357	.40346	.06280	.00893	-.00954
4.000	1.99985	.34625	4.00000	.14156	.40788	.07910	.01190	-.00874
GRADIENT	00002	.11776	.00000	.04955	-.00291	.00766	.00135	.00016

LARC UPWT 1152(1A94A) OTSAT130

(FJK021) (22 OCT 76)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT
 LREF = 1290.3000 INCHES YMRP = .0000 IN. YT
 BREF = 1290.3000 INCHES ZMRP = 400.0000 IN. ZT
 SCALE = .0100

PARAMETRIC DATA

ELV-LI = 10.000 ELV-LO = -5.000
 ELV-RI = 10.000 ELV-RO = -5.000
 BETA = 6.000

RN/L = 2.01 GRADIENT INTERVAL = -5.00/ 5.00

MACH = 1.550

ALPHA	RN/L	L/DU	BETA	CLU	CDU	CNW	CBW	CTW
-8.000	2.00674	-.89474	6.00000	-.48635	.54289	-.03306	-.00620	-.01346
-6.000	2.00653	-.70003	6.00000	-.35651	.50943	-.01234	-.00257	-.01282
-4.000	2.00575	-.48638	6.00000	-.23502	.48318	.01035	.00155	-.01229
-2.000	2.00577	-.25553	6.00000	-.11922	.46656	.03671	.00631	-.01130
.000	2.00582	-.00195	6.00000	-.00090	.45888	.06832	.01154	-.00889
2.000	2.00552	.22101	6.00000	.10168	.46013	.09589	.01622	-.00618
4.000	2.00532	.42887	6.00000	.20041	.46705	.11655	.02019	-.00354
GRADIENT	-.00005	.11535	.00000	.05459	-.00193	.01358	.00236	.00113

DATE 29 OCT 76

TABULATED SOURCE DATA - 1A94A.

PAGE 157

LARC UPWT 1152(1A94A) OTSAT130

(FJK021) (22 OCT 76)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT
 LREF = 1290.3000 INCHES YMRP = .0000 IN. YT
 BREF = 1290.3000 INCHES ZMRP = 400.0000 IN. ZT
 SCALE = .0100

PARAMETRIC DATA

ELV-LI = 10.000 ELV-LO = -5.000
 ELV-RI = 10.000 ELV-RO = -5.000
 BETA = 6.000

RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH = 2.000

ALPHA	RN/L	L/DU	BETA	CLU	CDU	CNW	CBW	CTW
-8.000	1.99967	-97883	6.00000	-.48057	.49159	-.01225	-.00353	-.01331
-6.000	1.99967	-.80780	6.00000	-.36894	.45646	.00170	-.00118	-.01277
-4.000	1.99968	-59904	6.00000	-.25715	.42942	.01608	.00120	-.01190
-2.000	1.99926	-36305	6.00000	-.14955	.41172	.03008	.00364	-.01135
.000	1.99975	-.12731	6.00000	-.05122	.40296	.04427	.00616	-.01108
2.000	1.99994	.11993	6.00000	.04794	.40092	.05941	.00886	-.01095
4.000	2.00000	.35492	6.00000	.14450	.40624	.07625	.01183	-.01013
GRADIENT	00007	.11955	.00000	.05004	-.00286	.00748	.00132	.00020

LARC UPWT 1152(1A94A) OTSAT130

(FJK022) (22 OCT 76)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT
 LREF = 1290.3000 INCHES YMRP = .0000 IN. YT
 BREF = 1290.3000 INCHES ZMRP = 400.0000 IN. ZT
 SCALE = .0100

PARAMETRIC DATA

ELV-LI = 10.000 ELV-LO = 2.000
 ELV-RI = 10.000 ELV-RO = 2.000
 BETA = -6.000

RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH = 1.550

ALPHA	RN/L	L/DU	BETA	CLU	CDU	CNW	CBW	CTW
-8.000	2.00002	-.88125	-6.00000	-.47942	.54326	-.05982	-.00788	-.01057
-6.000	1.99981	-.68045	-6.00000	-.34695	.51011	-.03970	-.00406	-.00969
-4.000	1.99964	-.46160	-6.00000	-.22403	.48530	-.01842	.00010	-.00823
-2.000	1.99924	-.22750	-6.00000	-.10702	.47045	.00399	.00446	-.00652
.000	1.99900	.01003	-6.00000	.00467	.46521	.02825	.00881	-.00428
2.000	1.99926	.23035	-6.00000	.10779	.46803	.04784	.01237	-.00230
4.000	1.99966	.43380	-6.00000	.20655	.47588	.06494	.01545	-.00047
GRADIENT	00000	.11243	.00000	.05380	-.00106	.01053	.00193	.00099

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DATE 29 OCT 76

TABULATED SOURCE DATA - 1A94A.

PAGE 158

LARC UPWT 1152(1A94A) OTSAT130

(FJK022) (22 OCT 76)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT
 LREF = 1290.3000 INCHES YMRP = .0000 IN. YT
 BREF = 1290.3000 INCHES ZMRP = 400.0000 IN. ZT
 SCALE = .0100

PARAMETRIC DATA

ELV-LI = 10.000 ELV-LO = 2.000
 ELV-RI = 10.000 ELV-RO = 2.000
 BETA = -6.000

RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH = 2.000	ALPHA	RN/L	L/DU	BETA	CLU	CDU	CNW	CBW	CTW
-8.000	1.99690	- .94382	-6.00000	- .46364	.49197	- .03480	- .00487	- .00976	
-6.000	1.99672	- .76179	-6.00000	- .34919	.45804	- .02431	- .00286	- .00947	
-4.000	1.99654	- .55268	-6.00000	- .23870	.43208	- .01054	- .00033	- .00912	
-2.000	1.99614	- .32373	-6.00000	- .13440	.41490	.01004	.00319	- .00753	
.000	1.99705	- .08437	-6.00000	- .03429	.40755	.02640	.00650	- .00694	
2.000	1.99788	.15303	-6.00000	.06220	.40719	.04241	.00953	- .00556	
4.000	1.99838	.37957	-6.00000	.15681	.41241	.05952	.01237	- .00290	
GRADIENT	00027	.11706	.00000	.04938	- .00235	.00862	00159	.00072	

LARC UPWT 1152(1A94A) OTSAT130

(FJK023) (22 OCT 76)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT
 LREF = 1290.3000 INCHES YMRP = .0000 IN. YT
 BREF = 1290.3000 INCHES ZMRP = 400.0000 IN. ZT
 SCALE = .0100

PARAMETRIC DATA

ELV-LI = 10.000 ELV-LO = 2.000
 ELV-RI = 10.000 ELV-RO = 2.000
 BETA = -4.000

RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH = 1.550	ALPHA	RN/L	L/DU	BETA	CLU	CDU	CNW	CBW	CTW
-8.000	1.99870	- .87046	-4.00000	- .47420	.54401	- .05740	- .00752	- .01173	
-6.000	1.99872	- .67862	-4.00000	- .34555	.50945	- .03665	- .00366	- .01111	
-4.000	1.99519	- .46382	-4.00000	- .22489	.48478	- .01293	.00074	- .00971	
-2.000	1.99308	- .22978	-4.00000	- .10777	.46906	.01201	.00548	- .00802	
.000	1.99863	.01210	-4.00000	.00561	.46301	.03693	.01015	- .00577	
2.000	1.99867	.23001	-4.00000	.10710	.46570	.05758	.01369	- .00277	
4.000	1.99796	.43315	-4.00000	.20538	.47390	.07596	.01689	- .00054	
GRADIENT	- .00014	.11269	.00000	.05377	- .00126	.01117	.00203	.00118	

DATE 29 OCT 76

TABULATED SOURCE DATA - 1A94A.

PAGE 159

LARC UPWT 1152(1A94A) OTSAT130

(FJK023) (22 OCT 76)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT
 LREF = 1290.3000 INCHES YMRP = 0000 IN. YT
 BREF = 1290.3000 INCHES ZMRP = 400 0000 IN. ZT
 SCALE = .0100

PARAMETRIC DATA

ELV-LI = 10.000 ELV-LO = 2.000
 ELV-RI = 10.000 ELV-RO = 2.000
 BETA = -4.000

RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH = 2.000

ALPHA	RN/L	L/DU	BETA	CLU	CDU	CNW	CBW	CTW
-8.000	1.99897	- .94574	-4.00000	- .46452	.49192	-.03226	-.00456	-.01071
-6.000	1.99893	- .76292	-4.00000	- .34853	.45647	-.02125	-.00250	-.01046
-4.000	1.99865	- .54979	-4.00000	- .23645	.43026	-.00732	.00013	-.00992
-2.000	1.99908	- .32183	-4.00000	- .13321	.41370	.01131	.00346	-.00883
.000	1.99899	- .09020	-4.00000	- .03654	.40602	.03023	.00682	-.00772
2.000	1.99829	.14814	-4.00000	.05988	.40517	.05160	.01037	-.00509
4.000	1.99821	.37813	-4.00000	.15591	.41143	.06866	.01347	-.00260
GRADIENT	- .00008	.11629	.00000	.04889	- .00231	.00961	.00168	.00092

LARC UPWT 1152(1A94A) OTSAT130

(FJK024) (22 OCT 76)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976 0000 IN. XT
 LREF = 1290.3000 INCHES YMRP = 0000 IN. YT
 BREF = 1290.3000 INCHES ZMRP = 400 0000 IN. ZT
 SCALE = .0100

PARAMETRIC DATA

ELV-LI = 10.000 ELV-LO = 2.000
 ELV-RI = 10.000 ELV-RO = 2.000
 BETA = .000

RN/L = 1.99 GRADIENT INTERVAL = -5.00/ 5.00

MACH = 1.550

ALPHA	RN/L	L/DU	BETA	CLU	CDU	CNW	CBW	CTW
-8.000	2.00261	- .86108	.00000	- .46877	.54375	-.04780	-.00625	-.01299
-6.000	2.01123	- .67509	.00000	- .34256	.50753	-.02776	-.00265	-.01242
-4.000	2.01526	- .45296	.00000	- .21797	.48128	-.00270	.00197	-.01180
-2.000	2.01960	- .22037	.00000	- .10311	.46785	.02366	.00688	-.01053
.000	2.01466	.00910	.00000	.00418	.45920	.04859	.01142	-.00855
2.000	2.00283	.23337	.00000	.10728	.45979	.07531	.01590	-.00513
4.000	1.98713	.43827	.00000	.20579	.46920	.09585	.01949	-.00172
GRADIENT	-.00365	.11181	.00000	.05290	- .00161	.01244	.00220	.00128

DATE 29 OCT 76

TABULATED SOURCE DATA - 1A94A.

PAGE 160

LARC UPWT 1152(1A94A) OTSAT130

(FJK024) (22 OCT 76)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976 0000 IN. XT
 LREF = 1290.3000 INCHES YMRP = 0000 IN. YT
 BREF = 1290.3000 INCHES ZMRP = 400 0000 IN. ZT
 SCALE = .0100

PARAMETRIC DATA

ELV-LI = 10.000 ELV-LO = 2.000
 ELV-RI = 10.000 ELV-RO = 2.000
 BETA = 000

RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH = 2.000	ALPHA	RN/L	L/DU	BETA	CLU	CDU	CNW	CBW	CTW
-8.000	2.00190	-.91677	.00000	-.44648	.48768	-.02491	-.00350	-.01217	
-6.000	1.99149	-.74759	.00000	-.33969	.45406	-.01146	-.00127	-.01124	
-4.000	1.99274	-.54915	.00000	-.23539	.42881	.00378	.00115	-.01006	
-2.000	1.99546	-.32829	.00000	-.13581	.41348	.02012	.00393	-.00925	
.000	1.99790	-.09389	.00000	-.03812	.40720	.03807	.00712	-.00883	
2.000	2.00039	.14226	.00000	.05742	.40487	.05461	.01021	-.00873	
4.000	2.00069	.37482	.00000	.15325	.40801	.07170	.01339	-.00768	
GRADIENT	.00104	.11592	.00000	.04853	-.00251	.00852	.00154	.00026	

LARC UPWT 1152(1A94A) OTSAT130

(FJK025) (22 OCT 76)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976 0000 IN. XT
 LREF = 1290.3000 INCHES YMRP = .0000 IN. YT
 BREF = 1290.3000 INCHES ZMRP = 400.0000 IN. ZT
 SCALE = .0100

PARAMETRIC DATA

ELV-LI = 10.000 ELV-LO = 2.000
 ELV-RI = 10.000 ELV-RO = 2.000
 BETA = 4 000

RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH = 1.550	ALPHA	RN/L	L/DU	BETA	CLU	CDU	CNW	CBW	CTW
-8.000	1.99762	-.86823	4.00000	-.47443	.54569	-.03922	-.00540	-.01520	
-6.000	1.99790	-.67667	4.00000	-.34576	.51120	-.01976	-.00201	-.01473	
-4.000	1.99827	-.46435	4.00000	-.22516	.48481	.00270	.00213	-.01418	
-2.000	1.99798	-.22660	4.00000	-.10606	.46813	.03186	.00731	-.01279	
.000	1.99770	.00711	4.00000	.00328	.46146	.06148	.01216	-.01032	
2.000	1.99779	.23414	4.00000	.10818	.46217	.08641	.01672	-.00800	
4.000	1.99761	.43959	4.00000	.20680	.47010	.10593	.02053	-.00531	
GRADIENT	-.00308	.11343	.00000	.05391	-.00177	.01305	.00232	.00113	

DATE 29 OCT 76

TABULATED SOURCE DATA - 1A94A.

PAGE 161

LARC UPWT 1152(1A94A) OTSAT130

(FJK025) (22 OCT 76)

REFERENCE DATA

SREF = 2690.0000 SQ.FT XMRP = 976.0000 IN. XT
 LREF = 1290.3000 INCHES YMRP = .0000 IN. YT
 BREF = 1290.3000 INCHES ZMRP = 400.0000 IN. ZT
 SCALE = .0100

PARAMETRIC DATA

ELV-LI = 10.000 ELV-LO = 2.000
 ELV-RI = 10.000 ELV-RO = 2.000
 BETA = 4.000

RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH = 2.000

ALPHA	RN/L	L/DU	BETA	CLU	CDU	CNW	CBW	CTW
-8.000	1.99816	-.92297	4.00000	-.45207	49054	-.01680	-.00285	-.01327
-6.000	1.99792	-.74337	4.00000	-.33948	45631	-.00198	-.00045	-.01249
-4.000	1.99793	-.53991	4.00000	-.23241	43061	.01150	.00177	-.01192
-2.000	1.99816	-.32415	4.00000	-.13446	.41467	.02604	.00413	-.01110
.000	1.99807	-.08611	4.00000	-.03497	40699	.04119	.00683	-.01108
2.000	1.99772	.16151	4.00000	.06520	40467	.05705	.00971	-.01123
4.000	1.99780	.39144	4.00000	.16073	40971	.07367	.01274	-.01035
GRADIENT	-.00003	.11742	.00000	.04930	-.00259	.00777	.00138	.00015

LARC UPWT 1152(1A94A) OTSAT130

(FJK026) (22 OCT 76)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT
 LREF = 1290.3000 INCHES YMRP = .0000 IN. YT
 BREF = 1290.3000 INCHES ZMRP = 400.0000 IN. ZT
 SCALE = .0100

PARAMETRIC DATA

ELV-LI = 10.000 ELV-LO = 2.000
 ELV-RI = 10.000 ELV-RO = 2.000
 BETA = 6.000

RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH = 1.550

ALPHA	RN/L	L/DU	BETA	CLU	CDU	CNW	CBW	CTW
-8.000	1.99763	-.87233	6.00000	-.47306	54159	-.03883	-.00509	-.01649
-6.000	1.99752	-.68075	6.00000	-.34667	50948	-.01853	-.00155	-.01579
-4.000	1.99794	-.46964	6.00000	-.22743	.48417	.00346	.00247	-.01522
-2.000	1.99780	-.22496	6.00000	-.10519	.46760	.03173	.00755	-.01408
.000	1.99802	.01207	6.00000	.00556	46085	.06146	.01244	-.01160
2.000	1.99794	.23449	6.00000	.10844	.46254	.08964	.01715	-.00871
4.000	1.99874	.43883	6.00000	.20626	.46977	.11097	.02108	-.00595
GRADIENT	.00009	.11382	.00000	.05405	-.00169	.01365	.00234	.00120

DATE 29 OCT 76

TABULATED SOURCE DATA - 1A94A.

PAGE 162

LARC UPWT 1152(1A94A) OTSAT130

(FJK026) (22 OCT 76)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT
 LREF = 1290.3000 INCHES YMRP = .0000 IN. YT
 BREF = 1290.3000 INCHES ZMRP = 400.0000 IN. ZT
 SCALE = .0100

PARAMETRIC DATA

ELV-LI = 10.000 ELV-LO = 2.000
 ELV-RI = 10.000 ELV-RO = 2.000
 BETA = 6.000

RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH = 2.000

ALPHA	PN/L	L/DU	BETA	CLU	CDU	CNW	CBW	CTW
-8.000	1.99791	-.93616	6.00000	-.45728	.48921	-.01841	-.00282	-.01490
-6.000	1.99793	-.75692	6.00000	-.34440	.45470	-.00377	-.00039	-.01425
-4.000	1.99792	-.54608	6.00000	-.23379	.42826	.01026	.00200	-.01353
-2.000	1.99764	-.32120	6.00000	-.13217	.41133	.02365	.00429	-.01296
.000	1.99772	-.07299	6.00000	-.02938	.40372	.03911	.00695	-.01242
2.000	1.99767	.16668	6.00000	.06688	.40225	.05459	.00968	-.01234
4.000	1.99749	.39455	6.00000	.16140	.40808	.07126	.01269	-.01157
GRADIENT	-.00004	.11846	.00000	.04947	-.00247	.00765	.00134	.00023

LARC UPWT 1152(1A94A) OTSAT130

(FJK027) (22 OCT 76)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT
 LREF = 1290.3000 INCHES YMRP = .0000 IN. YT
 BREF = 1290.3000 INCHES ZMRP = 400.0000 IN. ZT
 SCALE = .0100

PARAMETRIC DATA

ELV-LI = 10.000 ELV-LO = -10.000
 ELV-RI = 10.000 ELV-RO = -10.000
 BETA = -6.000

RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH = 1.550

ALPHA	RN/L	L/DU	BETA	CLU	CDU	CNW	CBW	CTW
-8.000	1.99793	-.90393	-6.00000	-.49453	.54630	-.06871	-.01072	-.00731
-6.000	1.99772	-.70962	-6.00000	-.36344	.51242	-.04876	-.00682	-.00680
-4.000	1.99896	-.49895	-6.00000	-.24313	.48716	-.02649	-.00258	-.00517
-2.000	2.00009	-.25778	-6.00000	-.12137	.47088	-.00299	.00194	-.00323
.000	2.00067	-.02009	-6.00000	-.00934	.46511	.02049	.00628	-.00131
2.000	2.00096	.20696	-6.00000	.09671	.46737	.04066	.01001	.00053
4.000	2.00115	.41068	-6.00000	.19495	.47446	.05781	.01320	.00208
GRADIENT	.00026	.11420	.00000	.05471	-.00145	.01061	.00198	.00091

DATE 29 OCT 76

TABULATED SOURCE DATA - 1A94A.

PAGE 163

LARC UPWT 1152(1A94A) OTSAT130

(FJK027) (22 OCT 76)

REFERENCE DATA

SREF = 2690.0000 SQ.FT XMRP = 976.0000 IN. XT
 LREF = 1290.3000 INCHES YMRP = .0000 IN. YT
 BREF = 1290.3000 INCHES ZMRP = 400.0000 IN. ZT
 SCALE = .0100

PARAMETRIC DATA

ELV-LI = 10.000 ELV-LO = -10.000
 ELV-RI = 10.000 ELV-RO = -10.000
 BETA = -6.000

RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	RN/L	L/DU	BETA	CLU	CDU	CNW	CBW	CTW
2.000	-8.000	1.99806	-.97594	-6.00000	-.48609	.49865	-.04120	-.00673	-.00779
	-6.000	2.00071	-.80330	-6.00000	-.37259	.46359	-.03068	-.00470	-.00751
	-4.000	2.00154	-.59230	-6.00000	-.25792	.43551	-.01656	-.00210	-.00708
	-2.000	2.00179	-.36856	-6.00000	-.15389	.41751	.00261	.00122	-.00583
	.000	2.00153	-.13344	-6.00000	-.05461	.40954	.02067	.00451	-.00460
	2.000	2.00191	.10969	-6.00000	.04475	.40847	.03544	.00754	-.00353
	4.000	1.99950	.33536	-6.00000	.13848	.41237	.05148	.01038	-.00135
	GRADIENT	-.00020	.11668	.00000	.04957	-.00277	.00844	.00156	.00069

LARC UPWT 1152(1A94A) OTSAT130

(FJK028) (22 OCT 76)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT
 LREF = 1290.3000 INCHES YMRP = .0000 IN. YT
 BREF = 1290.3000 INCHES ZMRP = 400.0000 IN. ZT
 SCALE = .0100

PARAMETRIC DATA

ELV-LI = 10.000 ELV-LO = -10.000
 ELV-RI = 10.000 ELV-RO = -10.000
 BETA = -4.000

RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	RN/L	L/DU	BETA	CLU	CDU	CNW	CBW	CTW
1.550	-8.000	2.00020	-.90172	-4.00000	-.49526	.54848	-.06558	-.01033	-.00848
	-6.000	1.99963	-.71092	-4.00000	-.36437	.51275	-.04523	-.00638	-.00819
	-4.000	1.99942	-.49441	-4.00000	-.24048	.48632	-.02026	-.00174	-.00683
	-2.000	1.99928	-.26038	-4.00000	-.12220	.46936	.00461	.00300	-.00515
	.000	1.99900	-.02261	-4.00000	-.01047	.46298	.02833	.00753	-.00300
	2.000	1.99898	.20263	-4.00000	.09410	.46452	.05056	.01142	-.00029
	4.000	1.99911	.40808	-4.00000	.19295	.47250	.06913	.01470	.00203
	GRADIENT	-.00005	.11340	.00000	.05416	-.00162	.01124	.00206	.00113

DATE 29 OCT 76

TABULATED SOURCE DATA - 1A94A.

PAGE 164

LARC UPWT 1152(1A94A) OTSAT130

(FJK028) (22 OCT 76)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT
 LREF = 1290.3000 INCHES YMRP = .0000 IN. YT
 BREF = 1290.3000 INCHES ZMRP = 400.0000 IN. ZT
 SCALE = .0100

PARAMETRIC DATA

ELV-L1 = 10.000 ELV-LO = -10.000
 ELV-R1 = 10.000 ELV-RO = -10.000
 BETA = -4.000

RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH = 2.000

ALPHA	RN/L	L/DU	BETA	CLU	CDU	CNW	CBW	CTW
-8.000	1.99695	-.97653	-4.00000	-.48577	.49806	-.03807	-.00643	-.00838
-6.000	1.99748	-.80753	-4.00000	-.37339	.46215	-.02738	-.00439	-.00818
-4.000	1.99699	-.59314	-4.00000	-.25758	.43433	-.01361	-.00179	-.00760
-2.000	1.99671	-.36607	-4.00000	-.15241	.41632	.00462	.00150	-.00678
.000	1.99691	-.13314	-4.00000	-.05417	.40720	.02240	.00478	-.00599
2.000	1.99680	.10406	-4.00000	.04203	.40514	.04327	.00826	-.00344
4.000	1.99710	.33222	-4.00000	.13690	.41103	.06113	.01142	-.00076
GRADIENT	.00002	.11604	.00000	.04917	-.00289	.00941	.00166	.00085

LARC UPWT 1152(1A94A) OTSAT130

(FJK029) (22 OCT 76)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT
 LREF = 1290.3000 INCHES YMRP = .0000 IN. YT
 BREF = 1290.3000 INCHES ZMRP = 400.0000 IN. ZT
 SCALE = .0100

PARAMETRIC DATA

ELV-L1 = 10.000 ELV-LO = -10.000
 ELV-R1 = 10.000 ELV-RO = -10.000
 BETA = .000

RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH = 1.550

ALPHA	RN/L	L/DU	BETA	CLU	CDU	CNW	CBW	CTW
-8.000	1.99934	-.88586	.00000	-.48369	.54539	-.05591	-.00884	-.01016
-6.000	1.99582	-.70826	.00000	-.36035	.50891	-.03596	-.00517	-.00975
-4.000	1.99582	-.49090	.00000	-.23689	.48258	-.01087	-.00063	-.00892
-2.000	2.00022	-.25594	.00000	-.11980	.46808	.01595	.00430	-.00758
.000	2.00392	-.01635	.00000	-.00754	.46143	.04225	.00903	-.00572
2.000	2.00417	.19776	.00000	.09129	.46170	.06885	.01347	-.00226
4.000	2.00317	.40659	.00000	.19012	.46732	.08914	.01709	.00100
GRADIENT	.00093	.11243	.00000	.05326	-.00184	.01265	.00223	.00126

DATE 29 OCT 76

TABULATED SOURCE DATA - 1A94A.

PAGE 165

LARC UPWT 1152(1A94A) OTSAT130

(FJK029) (22 OCT 76)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT
 LREF = 1290.3000 INCHES YMRP = .0000 IN. YT
 BREF = 1290.3000 INCHES ZMRP = 400.0000 IN. ZT
 SCALE = .0100

PARAMETRIC DATA

ELV-LI = 10.000 ELV-LO = -10.000
 ELV-RI = 10.000 ELV-RO = -10.000
 BETA = .000

RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH = 2.000	ALPHA	RN/L	L/DU	BETA	CLU	CDU	CNW	CBW	CTW
-8.000	2.00717	-.96695	.00000	-.47995	.49704	-.03272	-.00563	-.01023	
-6.000	2.00607	-.79474	.00000	-.36571	.45986	-.01917	-.00334	-.00951	
-4.000	2.00106	-.59143	.00000	-.25559	.43231	-.00379	-.00080	-.00827	
-2.000	1.99721	-.37263	.00000	-.15486	.41545	.01227	.00188	-.00736	
.000	1.99639	-.13903	.00000	-.05660	.40774	.03023	.00503	-.00677	
2.000	1.99724	.10076	.00000	.04065	.40489	.04592	.00808	-.00689	
4.000	1.99712	.33215	.00000	.13579	.40795	.06324	.01121	-.00586	
GRADIENT	-.00039	.11603	.00000	.04891	-.00296	.00838	.00151	.00026	

LARC UPWT 1152(1A94A) OTSAT130

(FJK030) (22 OCT 76)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT
 LREF = 1290.3000 INCHES YMRP = .0000 IN. YT
 BREF = 1290.3000 INCHES ZMRP = 400.0000 IN. ZT
 SCALE = .0100

PARAMETRIC DATA

ELV-LI = 10.000 ELV-LO = -10.000
 ELV-RI = 10.000 ELV-RO = -10.000
 BETA = 4.000

RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH = 1.550	ALPHA	RN/L	L/DU	BETA	CLU	CDU	CNW	CBW	CTW
-8.000	1.99863	-.89423	4.00000	-.49165	.54898	-.04775	-.00816	-.01235	
-6.000	1.99853	-.70654	4.00000	-.36236	.51314	-.02870	-.00478	-.01193	
-4.000	1.99833	-.49975	4.00000	-.24306	.48625	-.00574	-.00063	-.01122	
-2.000	1.99828	-.25818	4.00000	-.12097	.46865	.02324	.00457	-.00999	
.000	1.99870	-.02631	4.00000	-.01214	.46153	.05394	.00958	-.00751	
2.000	1.99872	.19597	4.00000	.09041	.46149	.07805	.01403	-.00545	
4.000	1.99853	.40507	4.00000	.18977	.46919	.09738	.01806	-.00311	
GRADIENT	.00004	.11319	.00000	.05385	-.00216	.01305	.00234	.00104	

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DATE 29 OCT 76

TABULATED SOURCE DATA - 1A94A.

PAGE 166

LARC UPWT 1152(1A94A) OTSAT130

(FJK030) (22 OCT 76)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT
 LREF = 1290.3000 INCHES YMRP = 0000 IN. YT
 BREF = 1290.3000 INCHES ZMRP = 400 0000 IN. ZT
 SCALE = .0100

PARAMETRIC DATA

ELV-LI = 10.000 ELV-LO = -10.000
 ELV-RI = 10.000 ELV-RO = -10.000
 BETA = 4.000

RN/L = 2 00 GRADIENT INTERVAL = -5.00/ 5.00

MACH = 2.000

ALPHA	RN/L	L/DU	BETA	CLU	CDU	CNW	CBW	CTW
-8.000	1.99697	-.96169	4.00000	-.47720	.49698	-.02345	-.00483	-.01107
-6.000	1.99700	-.78279	4.00000	-.36139	.46131	-.00915	-.00244	-.01044
-4.000	1.99658	-.57816	4.00000	-.25106	.43444	.00479	-.00015	-.00984
-2.000	1.99646	-.35847	4.00000	-.14942	.41658	.01945	.00225	-.00909
.000	1.99623	-.12940	4.00000	-.05268	.40807	.03434	.00489	-.00899
2.000	1.99596	.11712	4.00000	.04727	.40511	.04963	.00770	-.00912
4.000	1.99620	.35003	4.00000	.14357	.40922	.06611	.01064	-.00825
GRADIENT	-.00006	.11660	.00000	.04930	-.00310	.00764	.00135	.00016

LARC UPWT 1152(1A94A) OTSAT130

(FJK031) (22 OCT 76)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976 0000 IN. XT
 LREF = 1290.3000 INCHES YMRP = 0000 IN. YT
 BREF = 1290.3000 INCHES ZMRP = 400.0000 IN. ZT
 SCALE = .0100

PARAMETRIC DATA

ELV-LI = 10.000 ELV-LO = -10.000
 ELV-RI = 10.000 ELV-RO = -10.000
 BETA = 6.000

RN/L = 2 00 GRADIENT INTERVAL = -5.00/ 5.00

MACH = 1.550

ALPHA	RN/L	L/DU	BETA	CLU	CDU	CNW	CBW	CTW
-8.000	1.99811	-.90645	6.00000	-.49557	.54609	-.04825	-.00796	-.01360
-6.000	1.99823	-.71766	6.00000	-.36782	.51268	-.02810	-.00442	-.01304
-4.000	1.99848	-.50209	6.00000	-.24394	.48582	-.00540	-.00031	-.01230
-2.000	1.99854	-.26316	6.00000	-.12333	.46868	.02274	.00470	-.01118
.000	1.99898	-.02647	6.00000	-.01220	.46096	.05298	.00974	-.00885
2.000	1.99884	.20010	6.00000	.09247	.46216	.08197	.01458	-.00584
4.000	1.99881	.41165	6.00000	.19304	.46870	.10301	.01860	-.00331
GRADIENT	.00005	.11454	.00000	.05449	-.00204	.01380	.00238	.00116

DATE 29 OCT 76

TABULATED SOURCE DATA - 1A94A.

PAGE 167

LARC UPWT 1152(1A94A) OTSAT130

(FJK031) (22 OCT 76)

REFERENCE DATA

SREF = 2690.0000 SQ FT. XMRP = 976.0000 IN XT
 LREF = 1290.3000 INCHES YMRP = .0000 IN YT
 BREF = 1290.3000 INCHES ZMRP = 400.0000 IN ZT
 SCALE = .0100

PARAMETRIC DATA

ELV-L1 = 10.000 ELV-LO = -10.000
 ELV-R1 = 10.000 ELV-RO = -10.000
 BETA = 6 000

RN/L = 2 00 GRADIENT INTERVAL = -5.00/ 5.00

MACH = 2 000

ALPHA	RN/L	L/DU	BETA	CLU	CDU	CNW	CBW	CTW
-8.000	1.99621	-.96967	6 00000	-.47959	.49531	-.02682	-.00498	-.01315
-6 000	1.99589	-.79034	6.00000	-.36358	.45971	-.01069	-.00241	-.01208
-4.000	1.99629	-.58173	6.00000	-.25137	.43232	.00399	.00004	-.01120
-2.000	1.99616	-.34606	6.00000	-.14325	.41360	.01811	.00246	-.01063
.000	1.99649	-.11080	6.00000	-.04473	.40482	.03288	.00504	-.01023
2.000	1.99642	.12416	6.00000	.04982	.40265	.04760	.00768	-.01016
4.000	1.99604	.35389	6 00000	.14458	.40755	.06383	.01058	-.00944
GRADIENT	-.00001	.11707	00000	.04925	-.00302	.00746	.00132	.00020

LARC UPWT 1152(1A94A) OTSAT130

(FJK032) (22 OCT 76)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976 0000 IN XT
 LREF = 1290.3000 INCHES YMRP = .0000 IN YT
 BREF = 1290.3000 INCHES ZMRP = 400 0000 IN ZT
 SCALE = .0100

PARAMETRIC DATA

ELV-L1 = 12 000 ELV-LO = -10.000
 ELV-R1 = 12.000 ELV-RO = -10.000
 BETA = -6 000

RN/L = 2 00 GRADIENT INTERVAL = -5.00/ 5.00

MACH = 1 550

ALPHA	RN/L	L/DU	BETA	CLU	CDU	CNW	CBW	CTW
-8.000	2.00100	-.89777	-6.00000	-.49214	.54738	-.06699	-.01050	-.00749
-6.000	2.00489	-.70192	-6.00000	-.36025	.51351	-.04704	-.00660	-.00696
-4.000	2.00592	-.49540	-6.00000	-.24182	.48804	-.02562	-.00245	-.00551
-2.000	2.00481	-.25853	-6.00000	-.12196	.47177	-.00159	.00204	-.00345
.000	2.00400	-.02173	-6.00000	-.01012	.46559	.02202	.00639	-.00144
2 000	2.00091	.20680	-6.00000	.09685	.46838	.04224	.01017	.00051
4.000	1 99995	.41269	-6.00000	.19614	.47506	.05911	.01331	.00197
GRADIENT	-.00079	.11408	.00000	.05474	-.00147	.01066	.00193	.00095

DATE 29 OCT 76

TABULATED SOURCE DATA - 1A94A.

PAGE 168

LARC UPWT 1152(1A94A) OTSAT130

(FJK033) (22 OCT 76)

REFERENCE DATA

SREF = 2690.0000 SQ FT. XMRP = 976.0000 IN. XT
 LREF = 1290.3000 INCHES YMRP = .0000 IN. YT
 BREF = 1290.3000 INCHES ZMRP = 400.0000 IN. ZT
 SCALE = .0100

PARAMETRIC DATA

ELV-L1 = 12.000 ELV-LO = -10.000
 ELV-R1 = 12.000 ELV-RO = -10.000
 BETA = -4.000

RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH = 1.550

ALPHA	RN/L	L/DU	BETA	CLU	CDU	CNW	CBW	CTW
-8.000	1.99821	-89674	-4.00000	-49325	.54926	-.06402	-.01013	-.00860
-6.000	1.99935	-.70694	-4.00000	-.36274	.51336	-.04303	-.00613	-.00834
-4.000	1.99938	-49202	-4.00000	-.23998	.48765	-.01909	-.00165	-.00702
-2.000	1.99978	-25787	-4.00000	-.12138	.47072	.00646	.00311	-.00499
.000	1.99978	-.01618	-4.00000	-.00751	.46415	.03177	.00784	-.00259
2.000	1.99936	.20680	-4.00000	.09629	.46571	.05278	.01156	.00003
4.000	1.99982	.40900	-4.00000	.19363	.47313	.07092	.01477	.00220
GRADIENT	.00002	.11334	.00000	.05424	-.00170	.01132	.00206	.00117

LARC UPWT 1152(1A94A) OTSAT130

(FJK034) (22 OCT 76)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT
 LREF = 1290.3000 INCHES YMRP = .0000 IN. YT
 BREF = 1290.3000 INCHES ZMRP = 400.0000 IN. ZT
 SCALE = .0100

PARAMETRIC DATA

ELV-L1 = 12.000 ELV-LO = -10.000
 ELV-R1 = 12.000 ELV-RO = -10.000
 BETA = .000

RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH = 1.550

ALPHA	RN/L	L/DU	BETA	CLU	CDU	CNW	CBW	CTW
-8.000	2.00021	-.88305	.00000	-.48306	.54627	-.05704	-.00888	-.01115
-6.000	2.00129	-.69491	.00000	-.35349	.50889	-.03605	-.00508	-.01050
-4.000	2.00068	-.48322	.00000	-.23326	.48269	-.01069	-.00054	-.00955
-2.000	1.99996	-.24931	.00000	-.11676	.46833	.01435	.00423	-.00850
.000	1.99793	-.00823	.00000	-.00380	.46157	.04112	.00913	-.00653
2.000	1.99653	.20215	.00000	.09336	.46191	.06849	.01352	-.00302
4.000	1.99566	.41195	.00000	.19285	.46789	.08933	.01717	.00035
GRADIENT	-.00067	.11209	.00000	.05312	-.00180	.01271	.00223	.00126

DATE 29 OCT 76

TABULATED SOURCE DATA - 1A94A.

PAGE 169

LARC UPWT 1152(1A94A) OTSAT130

(FJK035) (22 OCT 76)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976 0000 IN. XT
 LREF = 1290.3000 INCHES YMRP = .0000 IN. YT
 BREF = 1290.3000 INCHES ZMRP = 400.0000 IN. ZT
 SCALE = .0100

PARAMETRIC DATA

ELV-L1 = 12.000 ELV-LO = -10.000
 ELV-R1 = 12.000 ELV-RO = -10.000
 BETA = 4.000

RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH = 1.550

ALPHA	RN/L	L/DU	BETA	CLU	CDU	CNW	CBW	CTW
-8.000	1.99862	-.88458	4.00000	-.48684	.54971	-.04628	-.00800	-.01252
-6.000	1.99858	-.70343	4.00000	-.36208	.51490	-.02670	-.00458	-.01194
-4.000	1.99845	-.49052	4.00000	-.23915	.48750	-.00352	-.00035	-.01124
-2.000	1.99895	-.25514	4.00000	-.11986	.46983	.02485	.00470	-.01017
.000	1.99836	-.01379	4.00000	-.00638	.46264	.05687	.00992	-.00744
2.000	1.99794	.20358	4.00000	.09412	.46247	.08051	.01432	-.00535
4.000	1.99857	.40796	4.00000	.19171	.46957	.09985	.01830	-.00282
GRADIENT	-.00004	.11278	.00000	.05378	-.00216	.01312	.00235	.00108

LARC UPWT 1152(1A94A) OTSAT130

(FJK036) (22 OCT 76)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT
 LREF = 1290.3000 INCHES YMRP = .0000 IN. YT
 BREF = 1290.3000 INCHES ZMRP = 400 0000 IN. ZT
 SCALE = .0100

PARAMETRIC DATA

ELV-L1 = 12.000 ELV-LO = -10.000
 ELV-R1 = 12.000 ELV-RO = -10.000
 BETA = 6.000

RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH = 1.550

ALPHA	RN/L	L/DU	BETA	CLU	CDU	CNW	CBW	CTW
-8.000	1.99953	-.89698	6.00000	-.49122	.54698	-.04536	-.00770	-.01345
-6.000	1.99950	-.70782	6.00000	-.36337	.51356	-.02504	-.00415	-.01265
-4.000	1.99979	-.49803	6.00000	-.24262	.48710	-.00315	-.00017	-.01192
-2.000	1.99985	-.26540	6.00000	-.12470	.46992	.02501	.00486	-.01095
.000	1.99968	-.02651	6.00000	-.01225	.46251	.05506	.00986	-.00868
2.000	1.99981	.20258	6.00000	.09379	.46307	.08396	.01470	-.00589
4.000	1.99937	.41252	6.00000	.19400	.47000	.10532	.01878	-.00312
GRADIENT	-.00004	.11445	.00000	.05459	-.00205	.01380	.00239	.00113

DATE 29 OCT 76

TABULATED SOURCE DATA - 1A94A.

PAGE 170

LARC UPWT 1152(1A94A) OTSAT130

(FJK037) (22 OCT 76)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT
 LREF = 1290.3000 INCHES YMRP = .0000 IN. YT
 BREF = 1290.3000 INCHES ZMRP = 400.0000 IN. ZT
 SCALE = .0100

PARAMETRIC DATA

ELV-L1 = 12.000 ELV-LO = -5.000
 ELV-R1 = 12.000 ELV-RO = -5.000
 BETA = -6.000

RN/L = 2 00 GRADIENT INTERVAL = -5.00/ 5.00

MACH = 1.550	ALPHA	RN/L	L/DU	BETA	CLU	CDU	CNW	CBW	CTW
-8.000	1.99501	-.89471	-6.00000	-.48954	.54646	-.06132	-.00932	-.00988	
-6.000	1.99481	-.69796	-6.00000	-.35768	.51263	-.04077	-.00539	-.00906	
-4.000	1.99484	-.47921	-6.00000	-.23319	.48658	-.01888	-.00115	-.00761	
-2.000	1.99496	-.24733	-6.00000	-.11648	.47098	.00451	.00329	-.00567	
.000	1.99488	-.00779	-6.00000	-.00362	.46499	.02709	.00754	-.00380	
2.000	1.99487	.20756	-6.00000	.09700	.46740	.04669	.01114	-.00206	
4.000	1.99514	.42091	-6.00000	.19977	.47436	.06385	.01439	-.00050	
GRADIENT	.00003	.11276	.00000	.05397	-.00140	.01038	.00195	.00089	

PN/L = 2 00 GRADIENT INTERVAL = -5.00/ 5.00

MACH = 2.000	ALPHA	RN/L	L/DU	BETA	CLU	CDU	CNW	CBW	CTW
-8.000	1.99770	-.99428	-6.00000	-.49437	.49780	-.03747	-.00594	-.01124	
-6.000	1.99791	-.81411	-6.00000	-.37653	.46221	-.02735	-.00394	-.01084	
-4.000	1.99730	-.60474	-6.00000	-.26248	.43414	-.01272	-.00133	-.01019	
-2.000	1.99714	-.36700	-6.00000	-.15282	.41629	.00719	.00210	-.00866	
.000	1.99692	-.12477	-6.00000	-.05083	.40756	.02528	.00547	-.00757	
2.000	1.99695	.11310	-6.00000	.04595	.40666	.04002	.00848	-.00665	
4.000	1.99648	.33922	-6.00000	.13965	.41111	.05669	.01130	-.00412	
GRADIENT	-.00009	.11840	.00000	.05015	-.00278	.00858	.00158	.00071	

DATE 29 OCT 76

TABULATED SOURCE DATA - 1A94A.

PAGE 171

LARC UPWT 1152(1A94A) OTSAT130

(FJK038) (22 OCT 76)

REFERENCE DATA

SREF = 2690.0000 SQ FT. XMRP = 976.0000 IN. XT
 LREF = 1290.3000 INCHES YMRP = .0000 IN. YT
 BREF = 1290.3000 INCHES ZMRP = 400.0000 IN. ZT
 SCALE = 0100

PARAMETRIC DATA

ELV-LI = 12.000 ELV-LO = -5.000
 ELV-RI = 12.000 ELV-RO = -5.000
 BETA = -4.000

RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH = 1.550	ALPHA	RN/L	L/DU	BETA	CLU	CDU	CNW	CBW	CTW
-8.000	1.99465	-.88809	-4.00000	-.48600	.54659	-.05849	-.00889	-.01133	
-6.000	1.99522	-.69965	-4.00000	-.35785	.51161	-.03780	-.00502	-.01081	
-4.000	1.99534	-.48173	-4.00000	-.23377	.48526	-.01423	-.00054	-.00961	
-2.000	1.99495	-.25063	-4.00000	-.11756	.46905	.01153	.00425	-.00764	
.000	1.99530	-.00113	-4.00000	-.00052	.46215	.03587	.00893	-.00544	
2.000	1.99530	.21305	-4.00000	.09892	.46439	.05648	.01257	-.00276	
4.000	1.99527	.41731	-4.00000	.19723	.47235	.07384	.01574	-.00078	
GRADIENT	.00001	.11309	.00000	.05392	-.00152	.01106	.00204	.00113	

RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH = 2.000	ALPHA	RN/L	L/DU	BETA	CLU	CDU	CNW	CBW	CTW
-8.000	1.99450	-.99286	-4.00000	-.49345	.49776	-.03510	-.00570	-.01179	
-6.000	1.99850	-.80096	-4.00000	-.36903	.46038	-.02264	-.00344	-.01112	
-4.000	1.99941	-.58403	-4.00000	-.25235	.43227	-.00764	-.00073	-.01033	
-2.000	1.99962	-.35690	-4.00000	-.14785	.41413	.01113	.00263	-.00914	
.000	1.99933	-.12330	-4.00000	-.04990	.40507	.02954	.00595	-.00813	
2.000	1.99979	.11930	-4.00000	.04807	.40373	.05132	.00950	-.00539	
4.000	2.00015	.34809	-4.00000	.14281	.40945	.06865	.01260	-.00272	
GRADIENT	.00008	.11702	.00000	.04931	-.00280	.00964	.00168	.00095	

DATE 29 OCT 76

TABULATED SOURCE DATA - 1A94A.

PAGE 172

LARC UPWT 1152(1A94A) OTSAT130

(FJK039) (22 OCT 76)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT
 LREF = 1290.3000 INCHES YMRP = .0000 IN. YT
 BREF = 1290.3000 INCHES ZMRP = 400.0000 IN. ZT
 SCALE = .0100

PARAMETRIC DATA

ELV-LI = 12.000 ELV-LO = -5.000
 ELV-RI = 12.000 ELV-RO = -5.000
 BETA = .000

RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH = 1.550	ALPHA	RN/L	L/DU	BETA	CLU	CDU	CNW	CBW	CTW
-8.000	1.99919	-86655	.00000	-.47404	.54635	-.05222	-.00776	-.01300	
-6.000	2.00491	-68464	.00000	-.34927	.51031	-.03192	-.00403	-.01241	
-4.000	1.99982	-47606	.00000	-.23017	.48349	-.00672	.00049	-.01169	
-2.000	1.99859	-.24090	.00000	-.11299	.46900	.01925	.00538	-.01058	
.000	1.99790	-.00110	.00000	-.00051	.46237	.04596	.01022	-.00858	
2.000	1.99755	.21410	.00000	.09910	.46294	.07346	.01470	-.00487	
4.000	1.99722	.41723	.00000	.19586	.46917	.09376	.01829	-.00165	
GRADIENT	-.00031	.11208	.00000	.05321	-.00174	.01276	.00225	.00129	

RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH = 2.000	ALPHA	RN/L	L/DU	BETA	CLU	CDU	CNW	CBW	CTW
-8.000	1.99829	-.97680	.00000	-.48527	.49743	-.02757	-.00469	-.01323	
-6.000	1.99569	-.80556	.00000	-.37112	.46043	-.01301	-.00245	-.01202	
-4.000	1.99416	-.60506	.00000	-.26146	.43224	.00279	.00011	-.01074	
-2.000	1.99165	-.38649	.00000	-.16043	.41500	.01918	.00288	-.00984	
.000	1.98928	-.14441	.00000	-.05869	.40692	.03729	.00608	-.00934	
2.000	1.98848	.09705	.00000	.03909	.40410	.07008	.00912	-.00966	
4.000	1.98599	.33048	.00000	.13501	.40758	.09003	.01224	-.00877	
GRADIENT	.00002	.11773	.00000	.04962	-.00301	.00833	.00153	.00021	

DATE 29 OCT 76

TABULATED SOURCE DATA - 1A94A.

PAGE 173

LARC UPWT 1152(1A94A) OTSAT130

(FJK040) (22 OCT 76)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN XT
 LREF = 1290.3000 INCHES YMRP = .0000 IN YT
 BREF = 1290.3000 INCHES ZMRP = 400 0000 IN. ZT
 SCALE = .0100

PARAMETRIC DATA

ELV-L1 = 12.000 ELV-L0 = -5.000
 ELV-R1 = 12.000 ELV-R0 = -5.000
 BETA = 4.000

RN/L = 2 00 GRADIENT INTERVAL = -5.00/ 5.00

MACH = 1.550	ALPHA	RN/L	L/DU	BETA	CLU	CDU	CNW	CBW	CTW
-8.000	1.99738	- 88470	4 00000	-.48418	.54657	- 04200	-.00688	-.01581	
-6.000	1.99641	-.69804	4 00000	-.35687	.51145	- 02241	-.00346	-.01513	
-4.000	1.99603	-.48791	4 00000	-.23627	.48418	.00089	.00077	-.01469	
-2.000	1.99620	- 24881	4.00000	-.11607	.46655	.03022	.00593	-.01324	
.000	1.99616	- 00063	4.00000	-.00028	.45940	.06124	.01103	-.01067	
2.000	1.99579	21314	4 00000	.09800	.45989	.08416	.01536	-.00877	
4.000	1.99575	41792	4 00000	.19520	.46679	.10206	.01926	-.00661	
GRADIENT	- 00005	.1368	00000	.05385	- 00207	.01281	.00232	.00103	

RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH = 2.000	ALPHA	RN/L	L/DU	BETA	CLU	CDU	CNW	CBW	CTW
-8.000	1.99959	-.96787	4 00000	-.47852	.49509	- 01746	-.00385	-.01383	
-6.000	1.99928	- 78201	4 00000	-.35941	.45923	- 00294	-.00139	-.01327	
-4.000	1.99867	-.57503	4.00000	-.24822	.43182	.01165	.00096	-.01242	
-2.000	1.99913	-.35242	4 00000	- .14609	.41446	.02649	.00341	-.01164	
.000	1.99874	- 11022	4 00000	-.04465	.40537	.04112	.00606	-.01167	
2.000	1.99890	13487	4 00000	.05426	.40294	.05610	.00883	-.01185	
4.000	1.99935	36150	4 00000	.14744	.40719	.07307	.01182	-.01089	
GRADIENT	00006	11802	00000	.04958	- 00304	.00762	.00136	.00014	

DATE 29 OCT 76

TABULATED SOURCE DATA - 1A94A

PAGE 174

LARC UPWT 1152(1A94A) OTSAT130

(FJK041) (22 OCT 76)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976 0000 IN. XT
 LREF = 1290.3000 INCHES YMRP = 0000 IN. YT
 BREF = 1290.3000 INCHES ZMRP = 400.0000 IN. ZT
 SCALE = .0100

PARAMETRIC DATA

ELV-LI = 12.000 ELV-LO = -5.000
 ELV-RI = 12.000 ELV-RO = -5.000
 BETA = 6 000

RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH = 1.550	ALPHA	RN/L	L/DU	BETA	CLU	CDU	CNW	CBW	CTW
-8.000	1 99562	-.89384	6 00000	- 48529	54228	- 04062	-.00642	-.01705	
-6.000	1 99557	-.70334	6 00000	- 35820	50946	- 02115	-.00296	-.01645	
-4.000	1 99585	-.49095	6 00000	- 23715	48299	00103	.00106	- 01579	
-2.000	1 99561	-.24876	6 00000	- 11590	46595	02925	.00613	- 01471	
.000	1 99607	- 00433	6 00000	- 00199	45861	.06056	.01123	-.01209	
2.000	1 99635	21635	6 00000	09945	45975	.08883	01592	-.00921	
4.000	1 99636	42038	6 00000	19616	46639	10867	.01981	-.00686	
GRADIENT	00009	11439	.00000	.05410	- 00197	01374	.00236	.00117	

RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH = 2.000	ALPHA	RN/L	L/DU	BETA	CLU	CDU	CNW	CBW	CTW
-8.000	1.99960	-.96340	6.00000	-.47346	49209	-.01736	-.00357	-.01514	
-6.000	1.99946	-.78853	6.00000	-.36001	45625	-.00319	-.00122	-.01457	
-4.000	1.99963	-.58008	6.00000	-.24877	42902	.01179	.00124	-.01361	
-2.000	1.99983	-.34730	6.00000	-.14279	.41093	.02556	.00383	- 01309	
.000	1.99969	- 10320	6.00000	- 04139	.40175	.03990	.00620	- 01281	
2.000	1.99963	13388	6.00000	.05338	39979	.05461	.00882	- 01272	
4.000	1.99955	36759	6.00000	.14935	.40533	.07152	.01181	-.01183	
GRADIENT	- 00001	11883	.00000	.04962	- 00293	.00743	.00132	.00020	

DATE 29 OCT 76

TABULATED SOURCE DATA - 1A94A.

PAGE 175

LARC UPWT 1152(1A94A) OTSAT130

(FJK042) (22 OCT 76)

REFERENCE DATA

SREF = 2690.0000 SQ.FT XMRP = 976.0000 IN. XT
 LREF = 1290.3000 INCHES YMRP = .0000 IN. YT
 BREF = 1290.3000 INCHES ZMRP = 400.0000 IN. ZT
 SCALE = .0100

PARAMETRIC DATA

ELV-LI = 12.000 ELV-LO = 2.000
 ELV-RI = 12.000 ELV-RO = 2.000
 BETA = -6.000

RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH = 1.550

ALPHA	RN/L	L/DU	BETA	CLU	CDU	CNW	CBW	CTW
-8.000	1.99563	-.87245	-6.00000	-.47540	.54418	-.05759	-.00764	-.01055
-6.000	1.99811	-.67358	-6.00000	-.34461	.51184	-.03834	-.00388	-.00988
-4.000	2.00112	-.45500	-6.00000	-.22167	.48712	-.01629	.00028	-.00818
-2.000	2.00214	-.21318	-6.00000	-.10064	.47211	.00726	.00479	-.00614
.000	2.00246	.02032	-6.00000	.00948	.46643	.02997	.00899	-.00426
2.000	2.00211	.24299	-6.00000	.11419	.46999	.05058	.01266	-.00204
4.000	2.00184	.44644	-6.00000	.21343	.47786	.06719	.01572	-.00034
GRADIENT	00007	.11295	00000	.05425	-.00103	.01051	.00194	.00099

LARC UPWT 1152(1A94A) OTSAT130

(FJK043) (22 OCT 76)

REFERENCE DATA

SREF = 2690.0000 SQ.FT XMRP = 976.0000 IN. XT
 LREF = 1290.3000 INCHES YMRP = .0000 IN. YT
 BREF = 1290.3000 INCHES ZMRP = 400.0000 IN. ZT
 SCALE = .0100

PARAMETRIC DATA

ELV-LI = 12.000 ELV-LO = 2.000
 ELV-RI = 12.000 ELV-RO = 2.000
 BETA = -4.000

RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH = 1.550

ALPHA	RN/L	L/DU	BETA	CLU	CDU	CNW	CBW	CTW
-8.000	2.00055	-.86637	-4.00000	-.47366	.54593	-.05624	-.00738	-.01187
-6.000	2.00018	-.67531	-4.00000	-.34510	.51134	-.03562	-.00355	-.01127
-4.000	1.99991	-.45954	-4.00000	-.22373	.48674	-.01170	.00082	-.00989
-2.000	1.99973	-.21566	-4.00000	-.10153	.47085	.01450	.00578	-.00791
.000	1.99967	.02308	-4.00000	.01073	.46481	.03903	.01039	-.00570
2.000	1.99979	.24324	-4.00000	.11363	.46727	.06041	.01406	-.00270
4.000	1.99938	.44292	-4.00000	.21092	.47589	.07774	.01714	-.00050
GRADIENT	-.00004	.11319	.00000	.05422	-.00126	.01124	.00205	.00120

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DATE 29 OCT 76

TABULATED SOURCE DATA - 1A94A.

PAGE 176

LARC UPWT 1152(1A94A) OTSAT130

(FJK044) (22 OCT 76)

REFERENCE DATA

SREF = 2690.0000 SQ FT XMRP = 976.0000 IN. XT
 LREF = 1290.3000 INCHES YMRP = .0000 IN. YT
 BREF = 1290.3000 INCHES ZMRP = 400.0000 IN. ZT
 SCALE = .0100

PARAMETRIC DATA

ELV-LI = 12.000 ELV-LO = 2.000
 ELV-RI = 12.000 ELV-RO = 2.000
 BETA = .000

RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH = 1.550	ALPHA	RN/L	L/DU	BETA	CLU	CDU	CNW	CBW	CTW
-8.000	1.99742	-.84741	.00000	-.46123	.54350	-.04406	-.00584	-.01315	
-6.000	1.99638	-.66368	.00000	-.33711	.50818	-.02465	-.00229	-.01251	
-4.000	1.99438	-.45040	.00000	-.21760	.48301	-.00056	.00211	-.01174	
-2.000	1.99300	-.20770	.00000	-.09721	.46815	.02643	.00717	-.01056	
.000	1.99095	.02030	.00000	.00941	.46353	.05222	.01183	-.00865	
2.000	1.99460	.23592	.00000	.10949	.46426	.07915	.01627	-.00512	
4.000	1.99671	.44237	.00000	.20862	.47129	.09947	.01981	-.00163	
GRADIENT	00031	.11146	.00000	.05296	-.00137	.01264	.00223	.00128	

LARC UPWT 1152(1A94A) OTSAT130

(FJK045) (22 OCT 76)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT
 LREF = 1290.3000 INCHES YMRP = .0000 IN. YT
 BREF = 1290.3000 INCHES ZMRP = 400.0000 IN. ZT
 SCALE = .0100

PARAMETRIC DATA

ELV-LI = 12.000 ELV-LO = 2.000
 ELV-RI = 12.000 ELV-RO = 2.000
 BETA = 4.000

RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH = 1.550	ALPHA	RN/L	L/DU	BETA	CLU	CDU	CNW	CBW	CTW
-8.000	1.99913	-.86043	4.00000	-.47172	.54760	-.03750	-.00521	-.01518	
-6.000	1.99908	-.67061	4.00000	-.34429	.51357	-.01806	-.00181	-.01467	
-4.000	1.99937	-.45410	4.00000	-.22114	.48694	.00487	.00240	-.01424	
-2.000	1.99899	-.22221	4.00000	-.10445	.47007	.03244	.00739	-.01309	
.000	1.99893	.01883	4.00000	.00873	.46376	.06334	.01242	-.01054	
2.000	1.99901	.24228	4.00000	.11250	.46446	.08841	.01697	-.00812	
4.000	1.99937	.44209	4.00000	.20888	.47218	.10744	.02087	-.00553	
GRADIENT	00000	.11284	.00000	.05385	-.00176	.01306	.00233	.00112	

DATE 29 OCT 76

TABULATED SOURCE DATA - 1A94A.

PAGE 177

LARC UPWT 1152(1A94A) OTSAT130

(FJK046) (22 OCT 76)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT
 LREF = 1290.3000 INCHES YMRP = .0000 IN. YT
 BREF = 1290.3000 INCHES ZMRP = 400.0000 IN. ZT
 SCALE = .0100

PARAMETRIC DATA

ELV-LI = 12.000 ELV-LO = 2.000
 ELV-RI = 12.000 ELV-RO = 2.000
 BETA = 6.000

RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH = 1.550	ALPHA	RN/L	L/DU	BETA	CLU	CDU	CNW	CBW	CTW
-8.000	1.99915	-.86827	6.00000	-.47299	.54398	-.03775	-.00494	-.01667	
-6.000	1.99955	-.66726	6.00000	-.34086	.51110	-.01690	-.00130	-.01588	
-4.000	1.99953	-.45691	6.00000	-.22212	.48607	.00513	.00270	-.01519	
-2.000	1.99908	-.22104	6.00000	-.10387	.46996	.03226	.00768	-.01447	
.000	1.99957	.01316	6.00000	.00610	.46307	.06255	.01261	-.01186	
2.000	1.99936	.23960	6.00000	.11136	.46483	.09106	.01735	-.00900	
4.000	1.99976	.44707	6.00000	.21129	.47235	.11286	.02137	-.00597	
GRADIENT	00004	.11343	.00000	.05410	-.00163	.01371	.00235	.00120	

LARC UPWT 1152(1A94A) OTSAT130

(FJK047) (22 OCT 76)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT
 LREF = 1290.3000 INCHES YMRP = .0000 IN. YT
 BREF = 1290.3000 INCHES ZMRP = 400.0000 IN. ZT
 SCALE = .0100

PARAMETRIC DATA

ELV-LI = 8.000 ELV-LO = 2.000
 ELV-RI = 8.000 ELV-RO = 2.000
 BETA = -6.000

RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH = 1.550	ALPHA	RN/L	L/DU	BETA	CLU	CDU	CNW	CBW	CTW
-8.000	1.99687	-.88659	-6.00000	-.48230	.54327	-.06290	-.00819	-.00968	
-6.000	1.99679	-.68612	-6.00000	-.34996	.51025	-.04316	-.00437	-.00904	
-4.000	1.99666	-.46430	-6.00000	-.22528	.48518	-.02097	-.00011	-.00742	
-2.000	1.99646	-.22934	-6.00000	-.10784	.47023	.00216	.00428	-.00545	
.000	1.99644	.00260	-6.00000	.00121	.46457	.02514	.00854	-.00342	
2.000	1.99661	.23106	-6.00000	.10816	.46815	.04574	.01223	-.00123	
4.000	1.99693	.43321	-6.00000	.20620	.47578	.06286	.01531	.00051	
GRADIENT	00004	.11277	.00000	.05395	-.00104	.01056	.00194	.00100	

DATE 29 OCT 76

TABULATED SOURCE DATA - 1A94A.

PAGE 178

LARC UPWT 1152(1A94A) OTSAT130

(FJK048) (22 OCT 76)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT
 LREF = 1290.3000 INCHES YMRP = .0000 IN. YT
 BREF = 1290.3000 INCHES ZMRP = 400.0000 IN. ZT
 SCALE = .0100

PARAMETRIC DATA

ELV-L1 = 8.000 ELV-LO = 2.000
 ELV-R1 = 8.000 ELV-RO = 2.000
 BETA = -4.000

RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH = 1.550	ALPHA	RN/L	L/DU	BETA	CLU	CDU	CNW	CBW	CTW
-8.000	1.99561	-.87881	-4.00000	-.47904	.54429	-.06060	-.00786	-.01088	
-6.000	1.99594	-.68549	-4.00000	-.34914	.50955	-.03999	-.00397	-.01038	
-4.000	1.99584	-.47057	-4.00000	-.22804	.48450	-.01578	.00045	-.00891	
-2.000	1.99531	-.23552	-4.00000	-.11034	.46850	.01052	.00532	-.00686	
.000	1.99602	.00561	-4.00000	.00260	.46283	.03492	.00994	-.00465	
2.000	1.99786	.22811	-4.00000	.10625	.46586	.05563	.01358	-.00188	
4.000	1.99978	.43009	-4.00000	.20406	.47419	.07372	.01674	.00033	
GRADIENT	.00052	.11325	.00000	.05404	-.00116	.01121	.00204	.00117	

LARC UPWT 1152(1A94A) OTSAT130

(FJK049) (22 OCT 76)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT
 LREF = 1290.3000 INCHES YMRP = .0000 IN. YT
 BREF = 1290.3000 INCHES ZMRP = 400.0000 IN. ZT
 SCALE = .0100

PARAMETRIC DATA

ELV-L1 = 8.000 ELV-LO = 2.000
 ELV-R1 = 8.000 ELV-RO = 2.000
 BETA = .000

RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH = 1.550	ALPHA	RN/L	L/DU	BETA	CLU	CDU	CNW	CBW	CTW
-8.000	2.00462	-.86441	.00000	-.46932	.54216	-.05066	-.00651	-.01218	
-6.000	2.00478	-.67496	.00000	-.34130	.50588	-.03052	-.00280	-.01165	
-4.000	2.00385	-.46048	.00000	-.22105	.47998	-.00573	.00166	-.01080	
-2.000	2.00287	-.22054	.00000	-.10288	.46652	.02159	.00673	-.00974	
.000	2.00253	.00808	.00000	.00373	.46135	.04704	.01138	-.00777	
2.000	2.00137	.22864	.00000	.10561	.46205	.07431	.01584	-.00424	
4.000	2.00016	.43463	.00000	.20395	.46894	.09395	.01932	-.00090	
GRADIENT	-.00044	.11197	.00000	.05292	-.00133	.01260	.00222	.00127	

DATE 29 OCT 76

TABULATED SOURCE DATA - 1A94A.

PAGE 179

LARC UPWT 1152(1A94A) OTSAT130

(FJK050) (22 OCT 76)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT
 LREF = 1290.3000 INCHES YMRP = .0000 IN. YT
 BREF = 1290.3000 INCHES ZMRP = 400.0000 IN. ZT
 SCALE = .0100

PARAMETRIC DATA

ELV-LI = 8.000 ELV-LO = 2.000
 ELV-RI = 8.000 ELV-RO = 2.000
 BETA = 4.000

RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH = 1.550

ALPHA	RN/L	L/DU	BETA	CLU	CDU	CNW	CBW	CTW
-8.000	2.00189	-.87386	4.00000	-.47720	.54525	-.04311	-.00581	-.01425
-6.000	2.00228	-.68007	4.00000	-.34727	.51096	-.02264	-.00231	-.01354
-4.000	2.00187	-.47308	4.00000	-.22947	.48492	-.00039	.00184	-.01329
-2.000	2.00186	-.22596	4.00000	-.10573	.46800	.02919	.00709	-.01184
.000	2.00204	.00793	4.00000	.00367	.46124	.05057	.01213	-.00917
2.000	2.00181	.23458	4.00000	.10839	.46219	.08456	.01660	-.00699
4.000	2.00192	.43048	4.00000	.20219	.46941	.10327	.02040	-.00449
GRADIENT	.00000	.11338	.00000	.05387	-.00184	.01314	.00233	.00112

LARC UPWT 1152(1A94A) OTSAT130

(FJK051) (22 OCT 76)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT
 LREF = 1290.3000 INCHES YMRP = .0000 IN. YT
 BREF = 1290.3000 INCHES ZMRP = 400.0000 IN. ZT
 SCALE = .0100

PARAMETRIC DATA

ELV-LI = 8.000 ELV-LO = 2.000
 ELV-RI = 8.000 ELV-RO = 2.000
 BETA = 6.000

RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH = 1.550

ALPHA	RN/L	L/DU	BETA	CLU	CDU	CNW	CBW	CTW
-8.000	2.00177	-.88581	6.00000	-.48134	.54276	-.04283	-.00556	-.01548
-6.000	2.00142	-.69071	6.00000	-.35261	.51065	-.02191	-.00192	-.01450
-4.000	2.00147	-.47265	6.00000	-.22916	.48483	.00120	.00226	-.01388
-2.000	2.00192	-.23715	6.00000	-.11109	.46842	.02874	.00723	-.01296
.000	2.00164	.00888	6.00000	.00409	.46089	.05910	.01226	-.01049
2.000	2.00179	.22866	6.00000	.10575	.46255	.08734	.01695	-.00760
4.000	2.00172	.43591	6.00000	.20495	.46992	.10826	.02090	-.00485
GRADIENT	.00002	.11415	.00000	.05425	-.00178	.01364	.00235	.00117

DATE 29 OCT 76

TABULATED SOURCE DATA - 1A94A.

PAGE 180

LARC UPWT 1152(1A94A) OTSAT130

(FJK052) (22 OCT 76)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT
 LREF = 1290.3000 INCHES YMRP = .0000 IN. YT
 BREF = 1290.3000 INCHES ZMRP = 400.0000 IN. ZT
 SCALE = .0100

PARAMETRIC DATA

ELV-LI = 8.000 ELV-LO = -5.000
 ELV-RI = 8.000 ELV-RO = -5.000
 BETA = -6.000

RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	RN/L	L/DU	BETA	CLU	CDU	CNW	CBW	CTW
1.550	-8.000	2.00117	-.91036	-6.00000	-.49618	.54417	-.06373	-.00965	-.00659
	-6.000	2.00142	-.70596	-6.00000	-.35948	.50951	-.04353	-.00571	-.00602
	-4.000	2.00164	-.49140	-6.00000	-.23815	.48451	-.02211	-.00153	-.00474
	-2.000	2.00146	-.25245	-6.00000	-.11832	.46872	.00180	.00299	-.00270
	.000	2.00120	-.01701	-6.00000	-.00787	.46277	.02525	.00726	-.00047
	2.000	2.00120	.21025	-6.00000	.09795	.46590	.04511	.01096	.00137
	4.000	2.00113	.41334	-6.00000	.19546	.47268	.06220	.01407	.00290
	GRADIENT	-.00006	.11361	.00000	.05417	-.00132	.01060	.00196	.00097

LARC UPWT 1152(1A94A) OTSAT130

(FJK053) (22 OCT 76)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT
 LREF = 1290.3000 INCHES YMRP = .0000 IN. YT
 BREF = 1290.3000 INCHES ZMRP = 400.0000 IN. ZT
 SCALE = .0100

PARAMETRIC DATA

ELV-LI = 8.000 ELV-LO = -5.000
 ELV-RI = 8.000 ELV-RO = -5.000
 BETA = -4.000

RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	RN/L	L/DU	BETA	CLU	CDU	CNW	CBW	CTW
1.550	-8.000	2.00023	-.90400	-4.00000	-.49357	.54518	-.06152	-.00933	-.00783
	-6.000	2.00058	-.70914	-4.00000	-.36078	.50899	-.04012	-.00528	-.00747
	-4.000	2.00024	-.49035	-4.00000	-.23695	.48316	-.01536	-.00071	-.00602
	-2.000	2.00095	-.25687	-4.00000	-.11996	.46704	.00975	.00402	-.00411
	.000	2.00092	-.01847	-4.00000	-.00851	.46084	.03359	.00853	-.00196
	2.000	2.00090	.20304	-4.00000	.09396	.46288	.05506	.01227	.00084
	4.000	2.00122	.41261	-4.00000	.19437	.47078	.07396	.01558	.00309
	GRADIENT	.00010	.11329	.00000	.05383	-.00145	.01120	.00204	.00116

DATE 29 OCT 76

TABULATED SOURCE DATA - 1A94A.

PAGE 181

LARC UPWT 1152(1A94A) OTSAT130

(FJK054) (22 OCT 76)

REFERENCE DATA

SREF = 2690.0000 SQ FT XMRP = 976 0000 IN XT
 LREF = 1290.3000 INCHES YMRP = .0000 IN. YT
 BREF = 1290.3000 INCHES ZMRP = 400.0000 IN. ZT
 SCALE = .0100

PARAMETRIC DATA

ELV-LI = 8.000 ELV-LO = -5.000
 ELV-RI = 8.000 ELV-RO = -5.000
 BETA = .000

RN/L = 1.99 GRADIENT INTERVAL = -5.00/ 5.00

MACH = 1.550	ALPHA	RN/L	L/DU	BETA	CLU	CDU	CNW	CBW	CTW
-8.000	1.99905	-89280	.00000	-.48593	.54345	-.05206	-.00797	-.00963	
-6.000	1.99845	-70298	.00000	-.35538	.50578	-.03129	-.00414	-.00910	
-4.000	1.99745	-.49100	.00000	-.23545	.47946	-.00645	.00035	-.00831	
-2.000	1.99662	-.25247	.00000	-.11746	.46525	.01962	.00521	-.00711	
.000	1.99541	-.01412	.00000	-.00648	.45944	.04661	.01003	-.00510	
2.000	1.99541	.20704	.00000	.09510	.45949	.07371	.01451	-.00150	
4.000	1.99496	.41612	.00000	.19391	.46567	.09424	.01810	.00185	
GRADIENT	-.00031	.11369	.00000	.05356	-.00167	.01277	.00224	.00130	

LARC UPWT 1152(1A94A) OTSAT130

(FJK055) (22 OCT 76)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976 0000 IN. XT
 LREF = 1290.3000 INCHES YMRP = .0000 IN. YT
 BREF = 1290.3000 INCHES ZMRP = 400.0000 IN. ZT
 SCALE = .0100

PARAMETRIC DATA

ELV-LI = 8.000 ELV-LO = -5.000
 ELV-RI = 8.000 ELV-RO = -5.000
 BETA = 4.000

RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH = 1.550	ALPHA	RN/L	L/DU	BETA	CLU	CDU	CNW	CBW	CTW
-8.000	2.00114	-.89247	4.00000	-.48762	.54548	-.04190	-.00704	-.01092	
-6.000	2.00118	-.69924	4.00000	-.35625	.50980	-.02149	-.00348	-.01029	
-4.000	2.00171	-.49602	4.00000	-.24002	.48371	-.00076	.00044	-.01030	
-2.000	2.00198	-.25369	4.00000	-.11824	.46617	.02940	.00571	-.00885	
.000	2.00178	-.01647	4.00000	-.00756	.45912	.05965	.01065	-.00642	
2.000	2.00246	.21283	4.00000	.09776	.45947	.08442	.01520	-.00418	
4.000	2.00268	.41188	4.00000	.19219	.46633	.10348	.01909	-.00146	
GRADIENT	.00012	.11412	.00000	.05402	-.00207	.01317	.00234	.00112	

DATE 29 OCT 76

TABULATED SOURCE DATA - 1A94A.

PAGE 182

LARC UPWT 1152(1A94A) OTSAT130

(FJK056) (22 OCT 76)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT
 LREF = 1290.3000 INCHES YMRP = .0000 IN. YT
 BREF = 1290.3000 INCHES ZMRP = 400.0000 IN. ZT
 SCALE = .0100

PARAMETRIC DATA

ELV-LI = 8.000 ELV-LO = -5.000
 ELV-RI = 8.000 ELV-RO = -5.000
 BETA = 6.000

RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH = 1.550

ALPHA	RN/L	L/DU	BETA	CLU	CDU	CNW	CBW	CTW
-8.000	2.00237	-.90337	6.00000	-.49063	.54238	-.04274	-.00690	-.01245
-6.000	2.00290	-.71147	6.00000	-.36215	.50928	-.02214	-.00327	-.01163
-4.000	2.00312	-.49806	6.00000	-.24102	.48380	.00053	.00081	-.01100
-2.000	2.00333	-.25234	6.00000	-.11765	.46628	.02880	.00589	-.01003
.000	2.00332	-.02323	6.00000	-.01066	.45909	.05832	.01076	-.00758
2.000	2.00356	.20549	6.00000	.09453	.46010	.08695	.01552	-.00479
4.000	2.00362	.41491	6.00000	.19374	.46668	.10830	.01953	-.00199
GRADIENT	.00006	.11419	.00000	.05408	-.00202	.01368	.00235	.00116

LARC UPWT 1152(1A94A) OTSAT130

(FJK057) (22 OCT 76)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT
 LREF = 1290.3000 INCHES YMRP = .0000 IN. YT
 BREF = 1290.3000 INCHES ZMRP = 400.0000 IN. ZT
 SCALE = .0100

PARAMETRIC DATA

ELV-LI = 8.000 ELV-LO = -10.000
 ELV-RI = 8.000 ELV-RO = -10.000
 BETA = -6.000

RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH = 1.550

ALPHA	RN/L	L/DU	BETA	CLU	CDU	CNW	CBW	CTW
-8.000	2.00007	-.91775	-6.00000	-.49991	.54392	-.07242	-.01127	-.00734
-6.000	2.00004	-.71890	-6.00000	-.36600	.50935	-.05242	-.00729	-.00697
-4.000	1.99998	-.50341	-6.00000	-.24356	.48373	-.03032	-.00303	-.00567
-2.000	1.99999	-.26428	-6.00000	-.12367	.46798	-.00689	.00149	-.00369
.000	2.00033	-.02610	-6.00000	-.01206	.46220	.01701	.00585	-.00152
2.000	2.00019	.19891	-6.00000	.09242	.46466	.03651	.00944	.00034
4.000	2.00036	.41312	-6.00000	.19477	.47122	.05428	.01274	.00193
GRADIENT	.00005	.11481	.00000	.05464	-.00142	.01063	.00197	.00096

DATE 29 OCT 76

TABULATED SOURCE DATA - 1A94A.

PAGE 183

LARC UPWT 1152(1A94A) OTSAT130

(FJK058) (22 OCT 76)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT
 LREF = 1290.3000 INCHES YMRP = .0000 IN. YT
 BREF = 1290.3000 INCHES ZMRP = 400.0000 IN. ZT
 SCALE = .0100

PARAMETRIC DATA

ELV-LI = 8.000 ELV-LO = -10.000
 ELV-RI = 8.000 ELV-RO = -10.000
 BETA = -4.000

RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH = 1.550

ALPHA	RN/L	L/DU	BETA	CLU	CDU	CNW	CBW	CTW
-8.000	2.00045	-.91279	-4.00000	-.49848	54520	-.06985	-.01085	-.00866
-6.000	2.00075	-.72023	-4.00000	-.36627	50886	-.04913	-.00684	-.00830
-4.000	2.00129	-.51182	-4.00000	-.24750	48341	-.02491	-.00240	-.00716
-2.000	2.00197	-.27090	-4.00000	-.12633	46640	.00177	.00253	-.00490
.000	2.00229	-.02664	-4.00000	-.01227	46038	.02658	.00722	-.00252
2.000	2.00229	.19715	-4.00000	.09099	46169	.04823	.01101	-.00009
4.000	2.00259	.40849	-4.00000	.19192	46947	.06726	.01437	.00219
GRADIENT	00015	.11543	.00000	.05481	-.00163	.01154	.00210	.00117

LARC UPWT 1152(1A94A) OTSAT130

(FJK059) (22 OCT 76)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT
 LREF = 1290.3000 INCHES YMRP = .0000 IN. YT
 BREF = 1290.3000 INCHES ZMRP = 400.0000 IN. ZT
 SCALE = .0100

PARAMETRIC DATA

ELV-LI = 8.000 ELV-LO = -10.000
 ELV-RI = 8.000 ELV-RO = -10.000
 BETA = .000

RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH = 1.550

ALPHA	RN/L	L/DU	BETA	CLU	CDU	CNW	CBW	CTW
-8.000	2.00600	-.89980	.00000	-.48885	54235	-.05842	-.00940	-.00969
-6.000	2.00414	-.70682	.00000	-.35624	50428	-.03840	-.00560	-.00947
-4.000	2.00392	-.49693	.00000	-.23757	47799	-.01331	-.00109	-.00885
-2.000	2.00356	-.25033	.00000	-.11602	46352	.01209	.00377	-.00770
.000	2.00304	-.00812	.00000	-.00371	45785	.03877	.00861	-.00572
2.000	2.00321	.20698	.00000	.09486	45839	.06554	.01303	-.00241
4.000	2.00308	.41811	.00000	.19420	46419	.08579	.01667	.00086
GRADIENT	-.00010	.11437	.00000	.05372	-.00164	.01258	.00224	.00124

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DATE 29 OCT 76

TABULATED SOURCE DATA - 1A94A.

PAGE 184

LARC UPWT 1152(1A94A) OTSAT130

(FJK060) (22 OCT 76)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT
 LREF = 1290.3000 INCHES YMRP = .0000 IN. YT
 BREF = 1290.3000 INCHES ZMRP = 400.0000 IN. ZT
 SCALE = .0100

PARAMETRIC DATA

ELV-LI = 8.000 ELV-LO = -10.000
 ELV-RI = 8.000 ELV-RO = -10.000
 BETA = 4.000

RN/L = 2.01 GRADIENT INTERVAL = -5.00/ 5.00

MACH = 1.550	ALPHA	RN/L	L/DU	BETA	CLU	CDU	CNW	CBW	CTW
-8.000	2.00328	-90596	4.00000	-49560	.54632	-.05158	-.00873	-.01183	
-6.000	2.00358	-.71638	4.00000	-.36554	.51045	-.03113	-.00520	-.01120	
-4.000	2.00390	-.50396	4.00000	-.24366	.48345	-.00819	-.00096	-.01086	
-2.000	2.00425	-.27462	4.00000	-.12807	.46641	.01859	.00395	-.00996	
.000	2.00438	-.02914	4.00000	-.01338	.45921	.05072	.00912	-.00709	
2.000	2.00451	.20086	4.00000	.09212	.45881	.07642	.01377	-.00490	
4.000	2.00534	.40335	4.00000	.18785	.46544	.09478	.01766	-.00265	
GRADIENT	.00016	.11450	.00000	.05416	-.00218	.01319	.00235	.00107	

LARC UPWT 1152(1A94A) OTSAT130

(FJK061) (22 OCT 76)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT
 LREF = 1290.3000 INCHES YMRP = .0000 IN. YT
 BREF = 1290.3000 INCHES ZMRP = 400.0000 IN. ZT
 SCALE = .0100

PARAMETRIC DATA

ELV-LI = 8.000 ELV-LO = -10.000
 ELV-RI = 8.000 ELV-RO = -10.000
 BETA = 6.000

RN/L = 2.01 GRADIENT INTERVAL = -5.00/ 5.00

MACH = 1.550	ALPHA	RN/L	L/DU	BETA	CLU	CDU	CNW	CBW	CTW
-8.000	2.00533	-.91764	6.00000	-.49970	.54388	-.05126	-.00849	-.01297	
-6.000	2.00545	-.72690	6.00000	-.37064	.51008	-.03007	-.00484	-.01224	
-4.000	2.00562	-.51327	6.00000	-.24830	.48371	-.00774	-.00078	-.01161	
-2.000	2.00555	-.27624	6.00000	-.12887	.46656	.01930	.00415	-.01089	
.000	2.00519	-.03660	6.00000	-.01679	.45885	.05079	.00931	-.00817	
2.000	2.00668	.18993	6.00000	.08723	.45941	.07920	.01410	-.00560	
4.000	2.00654	.40886	6.00000	.19061	.46591	.10050	.01818	-.00290	
GRADIENT	.00015	.11552	.00000	.05470	-.00214	.01382	.00239	.00114	

DATE 29 OCT 76

TABULATED SOURCE DATA - 1A94A.

PAGE 185

LARC UPWT 1152(1A94A) OTSAT129

(1JK001) (15 OCT 76)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT
 LREF = 1290.3000 INCHES YMRP = .0000 IN. YT
 BREF = 1290.3000 INCHES ZMRP = 400.0000 IN. ZT
 SCALE = .0100

PARAMETRIC DATA

ELV-L1 = .000 ELV-L0 = .000
 ELV-R1 = .000 ELV-R0 = .000
 BETA = -6.000

RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH = 1.550	ALPHA	CABO	CABT	CABS	CAF	CNF	CLMF
-8.000	.04261	.06695	.03029	.29902	-.60621	.23499	
-6.000	.04222	.06525	.03076	.30004	-.45559	.17335	
-4.000	.04195	.06397	.03044	.29887	-.31379	.11808	
-2.000	.04206	.06277	.03085	.29807	-.17551	.06531	
.000	.04173	.06190	.03118	.29678	-.04959	.01868	
2.000	.04139	.06078	.03142	.29665	.07201	-.02587	
4.000	.04093	.05965	.03146	.29343	.18883	-.06810	
GRADIENT	-.00014	-.00053	.00013	-.00062	.06264	-.02318	

RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH = 2.000	ALPHA	CABO	CABT	CABS	CAF	CNF	CLMF
-8.000	.03274	.04800	.02274	.29473	-.58441	.22800	
-6.000	.03275	.04792	.02293	.28941	-.44783	.17378	
-4.000	.03287	.04703	.02299	.28615	-.31887	.12493	
-2.000	.03325	.04508	.02305	.28387	-.19673	.08009	
.000	.03402	.04306	.02331	.28224	-.08007	.03839	
2.000	.03420	.04092	.02326	.28123	.03139	-.00110	
4.000	.03391	.03989	.02306	.27763	.14079	-.04168	
GRADIENT	.00015	-.00093	.00002	-.00098	.05737	-.02072	

DATE 29 OCT 76

TABULATED SOURCE DATA - 1A94A.

PAGE 186

LARC UPWT 1152(1A94A) OTSAT129

(1JK002) (15 OCT 76)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT
 LREF = 1290.3000 INCHES YMRP = .0000 IN. YT
 BREF = 1290.3000 INCHES ZMRP = 400.0000 IN. ZT
 SCALE = .0100

PARAMETRIC DATA

ELV-L1 = .000 ELV-L0 = .000
 ELV-R1 = .000 ELV-R0 = .000
 BETA = -4.000

RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH = 1.550	ALPHA	CABO	CABT	CABS	CAF	CNF	CLMF
-8.000	.04175	.06625	.03079	.30057	-.60293	.23620	
-6.000	.04144	.06496	.02967	.30102	-.45238	.17577	
-4.000	.04094	.06411	.02902	.29939	-.31269	.12113	
-2.000	.04077	.06293	.02967	.29816	-.17471	.06830	
.000	.04005	.06045	.03035	.29758	-.04764	.02100	
2.000	.03968	.06038	.03055	.29608	.07467	-.02530	
4.000	.03958	.05887	.03060	.29409	.18806	-.06665	
GRADIENT	-.00019	-.00065	.00020	-.00063	.06254	-.02346	

RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH = 2.000	ALPHA	CABO	CABT	CABS	CAF	CNF	CLMF
-8.000	.03114	.04752	.02285	.29562	-.57925	.22728	
-6.000	.03127	.04807	.02278	.28934	-.44471	.17405	
-4.000	.03152	.04720	.02272	.28534	-.31475	.12442	
-2.000	.03185	.04545	.02273	.28320	-.19397	.08113	
.000	.03271	.04260	.02294	.28272	-.08117	.04118	
2.000	.03327	.04092	.02304	.28002	.03121	.00089	
4.000	.03299	.04031	.02290	.27673	.14105	-.04114	
GRADIENT	.00022	-.00092	.00003	-.00102	.05684	-.02057	

DATE 29 OCT 76

TABULATED SOURCE DATA - 1A94A.

PAGE 187

LARC UPWT 1152(1A94A) OTSAT129

(1JK003) (15 OCT 76)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT
 LREF = 1290.3000 INCHES YMRP = .0000 IN. YT
 BREF = 1290.3000 INCHES ZMRP = 400.0000 IN. ZT
 SCALE = .0100

PARAMETRIC DATA

ELV-LI = .000 ELV-LO = .000
 ELV-RI = .000 ELV-RO = .000
 BETA = .000

RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH = 1.550	ALPHA	CABO	CABT	CABS	CAF	CNF	CLMF
-8.000	.04019	.06618	.02840	.30495	-.59143	.23472	
-6.000	.04036	.06460	.02799	.30233	-.44348	.17717	
-4.000	.03970	.06255	.02741	.30186	-.30494	.12188	
-2.000	.03962	.06095	.02752	.30328	-.16996	.06854	
0.000	.03946	.06016	.02764	.30436	-.04180	.02332	
2.000	.03857	.05932	.02790	.30252	.07284	-.01964	
4.000	.03725	.05868	.02827	.29862	.18722	-.06220	
GRADIENT	-.00030	-.00047	.00010	-.00036	.06136	-.02282	

RN/L = 1.99 GRADIENT INTERVAL = -5.00/ 5.00

MACH = 2.000	ALPHA	CABO	CABT	CABS	CAF	CNF	CLMF
-8.000	.02864	.04749	.02162	.29863	-.57408	.22188	
-6.000	.02890	.04758	.02115	.29230	-.43411	.16832	
-4.000	.02941	.04622	.02079	.28894	-.30929	.12331	
-2.000	.02990	.04451	.02099	.28681	-.19393	.08266	
0.000	.03022	.04288	.02152	.28532	-.07987	.04215	
2.000	.03095	.04182	.02191	.28056	.02991	.00327	
4.000	.03040	.04130	.02187	.27524	.13869	-.03881	
GRADIENT	.00015	-.00063	.00015	-.00168	.05599	-.02018	

DATE 29 OCT 76

TABULATED SOURCE DATA - 1A94A.

PAGE 188

LARC UPWT 1152(1A94A) OTSAT129

(1JK004) (15 OCT 76)

REFERENCE DATA

SREF = 2690.0000 SQ.FT XMRP = 976.0000 IN. XT
 LREF = 1290.3000 INCHES YMRP = .0000 IN. YT
 BREF = 1290.3000 INCHES ZMRP = 400.0000 IN. ZT
 SCALE = .0100

PARAMETRIC DATA

ELV-L1 = .000 ELV-LO = .000
 ELV-R1 = .000 ELV-RO = .000
 BETA = 4.000

RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	CABO	CABT	CABS	CAF	CNF	CLMF
1.550							
-8.000	.04102	.06507	.02638	.30925	-.59983	.23644	
-6.000	.04109	.06405	.02740	.30558	-.44872	.17587	
-4.000	.04093	.06273	.02684	.30440	-.31037	.12241	
-2.000	.04071	.06047	.02583	.30482	-.17401	.06883	
.000	.04066	.05779	.02508	.30578	-.04629	.02075	
2.000	.04018	.05711	.02496	.30425	.07673	-.02494	
4.000	.03950	.05695	.02533	.30117	.18644	-.06563	
GRADIENT	-.00017	-.00075	-.00019	-.00035	.06222	-.02349	

RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	CABO	CABT	CABS	CAF	CNF	CLMF
2.000							
-8.000	.03110	.04809	.02093	.30018	-.57199	.22451	
-6.000	.03085	.04773	.02028	.29643	-.43576	.17130	
-4.000	.03071	.04652	.01938	.29352	-.30577	.12220	
-2.000	.03094	.04504	.01902	.29072	-.15931	.08034	
.000	.03148	.04325	.01944	.28913	-.07620	.04023	
2.000	.03199	.04078	.01995	.28538	.03442	.00069	
4.000	.03241	.03988	.01998	.28047	.14314	-.04173	
GRADIENT	.00022	-.00088	.00011	-.00157	.05608	-.02038	

DATE 29 OCT 76

TABULATED SOURCE DATA - 1A94A.

PAGE 189

LARC UPWT 1152(1A94A) OTSAT129

(1JK005) (15 OCT 76)

REFERENCE DATA

SREF = 2690.0000 SQ.FT XMRP = 976 0000 IN. XT
 LREF = 1290.3000 INCHES YMRP = .0000 IN. YT
 BREF = 1290.3000 INCHES ZMRP = 400.0000 IN. ZT
 SCALE = .0100

PARAMETRIC DATA

ELV-LI = .000 ELV-LO = .000
 ELV-RI = .000 ELV-RO = .000
 BETA = 6.000

RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH = 1.550	ALPHA	CABO	CABT	CABS	CAF	CNF	CLMF
-8.000	.04286	.06591	.02468	.30742	-.60270	.23659	
-6.000	.04309	.06463	.02584	.30668	-.45168	.17638	
-4.000	.04304	.06304	.02590	.30499	-.31146	.12281	
-2.000	.04240	.06116	.02473	.30548	-.17438	.06890	
.000	.04199	.05925	.02341	.30715	-.04711	.01954	
2.000	.04159	.05863	.02393	.30478	.07240	-.02555	
4.000	.04108	.05762	.02444	.30082	.18651	-.06831	
GRADIENT	-.00024	-.00067	-.00019	-.00045	.06214	-.02383	

RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH = 2.000	ALPHA	CABO	CABT	CABS	CAF	CNF	CLMF
-8.000	.03241	.04894	.01908	.30029	-.57476	.22576	
-6.000	.03210	.04749	.01864	.29707	-.43796	.17259	
-4.000	.03223	.04649	.01855	.29250	-.31227	.12484	
-2.000	.03247	.04473	.01836	.28961	-.18925	.07892	
.000	.03278	.04283	.01846	.28777	-.07314	.03658	
2.000	.03336	.04124	.01894	.28374	.03647	-.00213	
4.000	.03360	.04064	.01908	.27927	.14510	-.04307	
GRADIENT	.00018	-.00075	.00008	-.00162	.05702	-.02084	

DATE 29 OCT 76

TABULATED SOURCE DATA - 1A94A.

PAGE 190

LARC UPWT 1152(1A94A) OTSAT129 (INVERTED)

(1JK006) (15 OCT 76)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT
 LREF = 1290.3000 INCHES YMRP = .0000 IN. YT
 BREF = 1290.3000 INCHES ZMRP = 400.0000 IN. ZT
 SCALE = .0100

PARAMETRIC DATA

ELV-LI = .000 ELV-LO = .000
 ELV-RI = .000 ELV-RO = .000
 BETA = .000

RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH = 1.550	ALPHA	CABO	CABT	CABS	CAF	CNF	CLMF
-4.000	.03968	.06189	.02691	.30447	-.30785	.12333	
-2.000	.03967	.06060	.02699	.30509	-.17231	.07040	
.000	.03957	.05958	.02713	.30630	-.04239	.02377	
2.000	.03970	.05879	.02742	.30412	.07625	-.01948	
4.000	.03739	.05853	.02772	.29933	.18726	-.06140	
6.000	.03688	.05891	.02877	.29339	.30375	-.10343	
8.000	.03601	.05803	.02928	.28991	.41421	-.14525	
GRADIENT	-.00028	-.00043	.00010	-.00056	.06194	-.02297	

RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH = 2.000	ALPHA	CABO	CABT	CABS	CAF	CNF	CLMF
-4.000	.02933	.04408	.02072	.28734	-.31153	.12506	
-2.000	.02987	.04286	.02121	.28474	-.19405	.08318	
.000	.03026	.04192	.02152	.28301	-.08094	.04342	
2.000	.03064	.04117	.02162	.28029	.02683	.00541	
4.000	.03022	.04120	.02154	.27536	.13614	-.03689	
6.000	.02946	.04117	.02152	.27254	.25461	-.08518	
8.000	.03036	.04110	.02151	.27591	.37412	-.13134	
GRADIENT	.00013	-.00037	.00010	-.00142	.05581	-.02008	

DATE 29 OCT 76

TABULATED SOURCE DATA - 1A94A.

PAGE 191

LARC UPWT 1152(1A94A) OTSAT130

(1JK007) (15 OCT 76)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT
LREF = 1290.3000 INCHES YMRP = .0000 IN. YT
BREF = 1290.3000 INCHES ZMRP = 400.0000 IN. ZT
SCALE = .0100

PARAMETRIC DATA

ELV-LI = .000 ELV-LO = .000
ELV-RI = .000 ELV-RO = .000
BETA = -6.000

RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH = 1.550	ALPHA	CABO	CABT	CABS	CAF	CNF	CLMF
-8.000	.04266	.06818	.03033	.29455	- .60131	.23521	
-6.000	.04245	.06607	.03082	.29665	-.45276	.17418	
-4.000	.04221	.06471	.03049	.29599	-.31124	.11997	
-2.000	.04240	.06263	.03086	.29558	-.17570	.06824	
.000	.04252	.06155	.03132	.29395	-.04469	.01965	
2.000	.04189	.06077	.03164	.29460	.07362	-.02369	
4.000	.04118	.06017	.03158	.29124	.19225	-.06710	
GRADIENT	-.00013	-.00055	.00015	-.00052	.06281	-.02330	

RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH = 2.000	ALPHA	CABO	CABT	CABS	CAF	CNF	CLMF
-8.000	.03266	.05192	.02250	.28953	-.57569	.22653	
-6.000	.03272	.05135	.02282	.28545	-.44040	.17406	
-4.000	.03309	.05000	.02300	.28103	-.31156	.12559	
-2.000	.03341	.04817	.02302	.27908	-.19019	.08034	
.000	.03424	.04623	.02321	.27765	-.07516	.03992	
2.000	.03450	.04369	.02328	.27708	.03542	.00115	
4.000	.03424	.04241	.02314	.27377	.14572	-.04019	
GRADIENT	.00017	-.00098	.00003	-.00083	.05701	-.02054	

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OF POOR QUALITY

DATE 29 OCT 76

TABULATED SOURCE DATA - 1A94A.

PAGE 192

LARC UPWT 1152(1A94A) OTSAT130

(1JK008) (15 OCT 76)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT
 LREF = 1290.3000 INCHES YMRP = .0000 IN. YT
 BREF = 1290.3000 INCHES ZMRP = 400.0000 IN. ZT
 SCALE = .0100

PARAMETRIC DATA

ELV-L1 = .000 ELV-LO = .000
 ELV-R1 = .000 ELV-RO = .000
 BETA = -4.000

RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	CABO	CABT	CABS	CAF	CNF	CLMF
-8.000	.04129	.06672	.03088	.29710	- .59959	.23801	
-6.000	.04151	.06591	.02986	.29707	- .45021	.17864	
-4.000	.04138	.06421	.02907	.29742	- .31113	.12320	
-2.000	.04150	.06259	.02977	.29621	- .17451	.07050	
0.000	.04099	.06089	.03049	.29539	- .04436	.02213	
2.000	.04031	.06124	.03060	.29420	.07730	- .02345	
4.000	.03974	.06001	.03055	.29237	.19268	- .06618	
GRADIENT	- .00022	- .00049	.00019	- .00061	.06297	- .02364	

RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	CABO	CABT	CABS	CAF	CNF	CLMF
-8.000	.03116	.05164	.02290	.28995	- .57405	.22751	
-6.000	.03135	.05148	.02285	.28448	- .43597	.17386	
-4.000	.03165	.05033	.02281	.28077	- .30722	.12548	
-2.000	.03198	.04820	.02279	.27948	- .18806	.08204	
0.000	.03277	.04542	.02295	.27771	- .07334	.04191	
2.000	.03341	.04368	.02307	.27576	.03633	- .00289	
4.000	.03322	.04276	.02297	.27360	.14433	- .03864	
GRADIENT	.00023	- .00098	.00003	- .00090	.05637	- .02037	

DATE 29 OCT 76

TABULATED SOURCE DATA - 1A94A.

PAGE 193

LARC UPWT 1152(1A94A) OTSAT130

(1JK009) (15 OCT 76)

REFERENCE DATA

SREF = 2690.0000 SQ FT. XMRP = 976.0000 IN. XT
 LREF = 1290.3000 INCHES YMRP = 0000 IN. YT
 BREF = 1290.3000 INCHES ZMRP = 400.0000 IN. ZT
 SCALE = .0100

PARAMETRIC DATA

ELV-LI = .000 ELV-LO = .000
 ELV-RI = .000 ELV-RO = .000
 BETA = .000

RN/L = 2 00 GRADIENT INTERVAL = -5.00/ 5.00

MACH = 1 550	ALPHA	CABO	CABT	CABS	CAF	CNF	CLMF
	-8.000	.03967	.06752	.02843	.29818	-.58515	.23197
	-6.000	.03997	.06604	.02816	.29496	-.43898	.17586
	-4 000	.03963	.06332	.02747	.29823	-.30083	.12186
	-2 000	.03980	.06181	.02750	.30056	-.16445	.06854
	.000	.03956	.06066	.02771	.30168	-.03998	.02297
	2.000	.03913	.05927	.02791	.29923	.07601	-.01909
	4 000	.03779	.05881	.02821	.29517	.19191	-.06268
	GRADIENT	-.00022	-.00058	.00009	-.00037	.06130	-.02283

RN/L = 2 00 GRADIENT INTERVAL = -5.00/ 5.00

MACH = 2.000	ALPHA	CABO	CABT	CABS	CAF	CNF	CLMF
	-8 000	.02874	.04913	.02156	.29670	-.56634	.22244
	-6.000	.02925	.05063	.02110	.28938	-.42804	.17052
	-4 000	.02979	.04982	.02084	.28593	-.30579	.12688
	-2 000	.03013	.04705	.02105	.28452	-.19120	.08641
	.000	.03030	.04572	.02141	.28182	-.07559	.04496
	2.000	.03109	.04415	.02180	.27850	.03241	.00682
	4 000	.03080	.04312	.02188	.27408	.14104	-.03545
	GRADIENT	.00015	-.00082	.00014	-.00149	.05586	-.02021

DATE 29 OCT 76

TABULATED SOURCE DATA - 1A94A.

PAGE 194

LARC UPWT 1152(1A94A) OTSAT130

(1JK010) (15 OCT 76)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT
 LREF = 1290.3000 INCHES YMRP = .0000 IN. YT
 BREF = 1290.3000 INCHES ZMRP = 400.0000 IN. ZT
 SCALE = .0100

PARAMETRIC DATA

ELV-LI = .000 ELV-LO = .000
 ELV-RI = .000 ELV-RO = .000
 BETA = 4.000

RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH = 1.550	ALPHA	CABO	CABT	CABS	CAF	CNF	CLMF
-8.000	.04135	.06600	.02577	.30759	-.59706	.23812	
-6.000	.04136	.06493	.02696	.30415	-.44500	.17751	
-4.000	.04110	.06359	.02679	.30244	-.30303	.12242	
-2.000	.04097	.06081	.02595	.30371	-.16806	.07013	
.000	.04106	.05932	.02528	.30444	-.04266	.02226	
2.000	.04051	.05823	.02537	.30265	.07651	-.02267	
4.000	.03988	.05687	.02565	.30039	.19370	-.06608	
GRADIENT	-.00015	-.00080	-.00014	-.00026	.06190	-.02349	

RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH = 2.000	ALPHA	CABO	CABT	CABS	CAF	CNF	CLMF
-8.000	.03095	.05090	.02086	.29599	-.56172	.22281	
-6.000	.03068	.05063	.02012	.29154	-.42698	.17148	
-4.000	.03064	.04939	.01931	.28944	-.30083	.12385	
-2.000	.03103	.04819	.01900	.28747	-.18387	.08251	
.000	.03166	.04593	.01944	.28581	-.07056	.04233	
2.000	.03229	.04337	.01996	.28241	.03937	.00268	
4.000	.03286	.04214	.02004	.27780	.14749	-.03945	
GRADIENT	.00028	-.00097	.00012	-.00142	.05599	-.02032	

DATE 29 OCT 76

TABULATED SOURCE DATA - 1A94A.

PAGE 195

LARC UPWT 1152(1A94A) OTSAT130

(1JK011) (15 OCT 76)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT
 LREF = 1290.3000 INCHES YMRP = .0000 IN. YT
 BREF = 1290.3000 INCHES ZMRP = 400.0000 IN. ZT
 SCALE = 0100

PARAMETRIC DATA

ELV-LI = .000 ELV-LO = .000
 ELV-RI = .000 ELV-RO = .000
 BETA = 6.000

RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH = 1.550	ALPHA	CABO	CABT	CABS	CAF	CNF	CLMF
-8.000	.04369	.06645	.02432	.30561	-.59986	.23802	
-6.000	.04355	.06533	.02541	.30538	-.44859	.17804	
-4.000	.04343	.06375	.02569	.30365	-.30945	.12436	
-2.000	.04284	.06175	.02465	.30458	-.17504	.07138	
.000	.04232	.06050	.02337	.30588	-.04444	.02181	
2.000	.04176	.05975	.02402	.30372	.07688	-.02456	
4.000	.04131	.05814	.02449	.30015	.19265	-.06815	
GRADIENT	-.00027	-.00066	-.00015	-.00039	.06281	-.02405	

PN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH = 2.000	ALPHA	CABO	CABT	CABS	CAF	CNF	CLMF
-8.000	.03274	.05008	.01908	.29697	-.56494	.22462	
-6.000	.03278	.05018	.01866	.29299	-.43299	.17386	
-4.000	.03264	.04916	.01852	.28837	-.30397	.12492	
-2.000	.03236	.04728	.01832	.28642	-.18113	.07879	
.000	.03281	.04578	.01843	.28454	-.06780	.03777	
2.000	.03367	.04388	.01904	.28079	.04048	-.00027	
4.000	.03395	.04294	.01929	.27673	.15036	-.04210	
GRADIENT	.00020	-.00079	.00011	-.00145	.05651	-.02066	

DATE 29 OCT 76

TABULATED SOURCE DATA - 1A94A.

PAGE 196

LARC UPWT 1152(1A94A) OTSAT130

(1JK012) (15 OCT 76)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT
 LREF = 1290.3000 INCHES YMRP = 0000 IN. YT
 BREF = 1290.3000 INCHES ZMRP = 400.0000 IN. ZT
 SCALE = .0100

PARAMETRIC DATA

ELV-L1 = .000 ELV-LO = -5.000
 ELV-R1 = .000 ELV-RO = -5.000
 BETA = -6.000

RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH = 2.000

ALPHA	CABO	CABT	CABS	CAF	CNF	CLMF
-8.000	.03273	.05248	.02239	.28848	-.58848	.23817
-6.000	.03290	.05155	.02298	.28469	-.44939	.18210
-4.000	.03327	.05021	.02306	.28113	-.32089	.13305
-2.000	.03367	.04814	.02314	.27949	-.20345	.08931
.000	.03431	.04628	.02335	.27859	-.08612	.04706
2.000	.03466	.04460	.02341	.27669	.02671	.00713
4.000	.03460	.04315	.02327	.27351	.13483	-.03308
GRADIENT	.00018	-.00088	.00003	-.00090	.05708	-.02072

LARC UPWT 1152(1A94A) OTSAT130

(1JK013) (15 OCT 76)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT
 LREF = 1290.3000 INCHES YMRP = 0000 IN. YT
 BREF = 1290.3000 INCHES ZMRP = 400.0000 IN. ZT
 SCALE = .0100

PARAMETRIC DATA

ELV-L1 = .000 ELV-LO = -5.000
 ELV-R1 = .000 ELV-RO = -5.000
 BETA = -4.000

RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH = 2.000

ALPHA	CABO	CABT	CABS	CAF	CNF	CLMF
-8.000	.03127	.05219	.02296	.28935	-.58586	.23808
-6.000	.03144	.05160	.02295	.28487	-.44965	.18399
-4.000	.03178	.05058	.02284	.28110	-.32063	.13468
-2.000	.03211	.04890	.02283	.27919	-.20297	.09142
.000	.03293	.04562	.02308	.27861	-.08768	.05076
2.000	.03351	.04413	.02322	.27645	.02524	.00994
4.000	.03336	.04335	.02303	.27422	.13416	-.03189
GRADIENT	.00023	-.00096	.00004	-.00083	.05689	-.02073

DATE 29 OCT 76

TABULATED SOURCE DATA - 1A94A.

PAGE 197

LARC UPWT 1152(1A94A) OTSAT130

(1JK014) (15 OCT 76)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT
 LREF = 1290.3000 INCHES YMRP = .0000 IN. YT
 BREF = 1290.3000 INCHES ZMRP = 400.0000 IN. ZT
 SCALE = .0100

PARAMETRIC DATA

ELV-LI = .000 ELV-LO = -5.000
 ELV-RI = .000 ELV-RO = -5.000
 BETA = .000

RN/L = 1.99 GRADIENT INTERVAL = -5.00/ 5.00

MACH = 2.000

ALPHA	CABO	CABT	CABS	CAF	CNF	CLMF
-8.000	.02879	.05136	.02186	.29105	-.57378	.23271
-6.000	.02933	.05102	.02115	.28661	-.44071	.18041
-4.000	.02994	.04968	.02089	.28336	-.31520	.13380
-2.000	.03027	.04765	.02112	.28191	-.19936	.09271
.000	.03049	.04569	.02155	.28091	-.08795	.05287
2.000	.03128	.04431	.02189	.27785	.02391	.01282
4.000	.03109	.04367	.02197	.27335	.13335	-.02964
GRADIENT	.00017	-.00077	.00015	-.00120	.05602	-.02034

LARC UPWT 1152(1A94A) OTSAT130

(1JK015) (15 OCT 76)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT
 LREF = 1290.3000 INCHES YMRP = .0000 IN. YT
 BREF = 1290.3000 INCHES ZMRP = 400.0000 IN. ZT
 SCALE = .0100

PARAMETRIC DATA

ELV-LI = .000 ELV-LO = -5.000
 ELV-RI = .000 ELV-RO = -5.000
 BETA = 4.000

RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH = 2.000

ALPHA	CABO	CABT	CABS	CAF	CNF	CLMF
-8.000	.03100	.05130	.02115	.29518	-.57725	.23552
-6.000	.03075	.05090	.02042	.29201	-.44213	.18084
-4.000	.03071	.05024	.01972	.28943	-.31704	.13438
-2.000	.03108	.04852	.01922	.28819	-.20122	.09283
.000	.03179	.04665	.01948	.28655	-.08518	.05039
2.000	.03235	.04461	.02001	.28341	.02710	.00993
4.000	.03296	.04291	.02019	.27904	.13597	-.03226
GRADIENT	.00029	-.00093	.00009	-.00128	.05672	-.02081

DATE 29 OCT 76

TABULATED SOURCE DATA - 1A94A.

PAGE 198

LARC UPWT 1152(1A94A) OTSAT130

(1JK016) (15 OCT 76)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT
 LREF = 1290.3000 INCHES YMRP = .0000 IN. YT
 BREF = 1290.3000 INCHES ZMRP = 400.0000 IN. ZT
 SCALE = .0100

PARAMETRIC DATA

ELV-LI = .000 ELV-LO = -5.000
 ELV-RI = .000 ELV-RO = -5.000
 BETA = 6.000

RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH = 2.000	ALPHA	CABO	CABT	CABS	CAF	CNF	CLMF
-8.000	.03280	.05139	.01922	.29681	-.58194	.23632	
-6.000	.03283	.05120	.01903	.29279	-.44721	.18369	
-4.000	.03280	.05022	.01878	.28870	-.31902	.13457	
-2.000	.03252	.04842	.01855	.28678	-.19725	.08846	
.000	.03292	.04623	.01869	.28611	-.08450	.04710	
2.000	.03382	.04439	.01926	.28246	.02630	.00785	
4.000	.03413	.04362	.01951	.27803	.13685	-.03396	
GRADIENT	.00020	-.00086	.00011	-.00128	.05676	-.02088	

LARC UPWT 1152(1A94A) OTSAT130

(1JK017) (15 OCT 76)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT
 LREF = 1290.3000 INCHES YMRP = .0000 IN. YT
 BREF = 1290.3000 INCHES ZMRP = 400.0000 IN. ZT
 SCALE = .0100

PARAMETRIC DATA

ELV-LI = 10.000 ELV-LO = -5.000
 ELV-RI = 10.000 ELV-RO = -5.000
 BETA = -6.000

RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH = 1.550	ALPHA	CABO	CABT	CABS	CAF	CNF	CLMF
-8.000	.04391	.06745	.03103	.29734	-.58521	.21896	
-6.000	.04353	.06534	.03176	.29856	-.42963	.15553	
-4.000	.04352	.06382	.03136	.29784	-.28834	.10187	
-2.000	.04385	.06163	.03130	.29802	-.15319	.05033	
.000	.04413	.05965	.03171	.29729	-.02367	.00297	
2.000	.04325	.05841	.03180	.29824	.09521	-.04143	
4.000	.04185	.05778	.03149	.29565	.21411	-.08544	
GRADIENT	-.00020	-.00077	.00004	-.00021	.06266	-.02332	

DATE 29 OCT 76

TABULATED SOURCE DATA - 1A94A.

PAGE 199

LARC UPWT 1152(1A94A) OTSAT130

(1JK017) (15 OCT 76)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT
 LREF = 1290.3000 INCHES YMRP = .0000 IN. YT
 BREF = 1290.3000 INCHES ZMRP = 400.0000 IN. ZT
 SCALE = .0100

PARAMETRIC DATA

ELV-LI = 10.000 ELV-LO = -5.000
 ELV-RI = 10.000 ELV-RO = -5.000
 BETA = -6.000

RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH = 2.000

ALPHA	CABO	CABT	CABS	CAF	CNF	CLMF
-8.000	.03331	.04981	.02340	.29212	-.57405	.22176
-6.000	.03315	.04831	.02393	.28817	-.43760	.16743
-4.000	.03373	.04683	.02377	.28529	-.31079	.11902
-2.000	.03457	.04504	.02351	.28282	-.19038	.07420
.000	.03550	.04270	.02341	.28172	-.07560	.03376
2.000	.03575	.04022	.02340	.28130	.03697	-.00653
4.000	.03570	.03888	.02335	.27791	.14572	-.04706
GRADIENT	.00026	-.00104	-.00005	-.00081	.05702	-.02084

LARC UPWT 1152(1A94A) OTSAT130

(1JK018) (15 OCT 76)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT
 LREF = 1290.3000 INCHES YMRP = .0000 IN. YT
 BREF = 1290.3000 INCHES ZMRP = 400.0000 IN. ZT
 SCALE = .0100

PARAMETRIC DATA

ELV-LI = 10.000 ELV-LO = -5.000
 ELV-RI = 10.000 ELV-RO = -5.000
 BETA = -4.000

RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH = 1.550

ALPHA	CABO	CABT	CABS	CAF	CNF	CLMF
-8.000	.04298	.06547	.03163	.30011	-.57819	.22036
-6.000	.04326	.06477	.03078	.30075	-.42619	.16015
-4.000	.04341	.06296	.03017	.30067	-.29071	.10688
-2.000	.04328	.06051	.03028	.29954	-.15602	.05516
.000	.04288	.05836	.03078	.29911	-.02501	.00632
2.000	.04185	.05778	.03088	.29891	.09711	-.04023
4.000	.04130	.05704	.03071	.29655	.21394	-.08322
GRADIENT	-.00028	-.00073	.00008	-.00044	.06312	-.02376

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DATE 29 OCT 76

TABULATED SOURCE DATA - 1A94A.

PAGE 200

LARC UPWT 1152(1A94A) OTSAT130

(1JK018) (15 OCT 76)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT
 LREF = 1290.3000 INCHES YMRP = .0000 IN. YT
 BREF = 1290.3000 INCHES ZMRP = 400.0000 IN. ZT
 SCALE = .0100

PARAMETRIC DATA

ELV-LI = 10.000 ELV-LO = -5.000
 ELV-RI = 10.000 ELV-RO = -5.000
 BETA = -4.000

RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH = 2.000

ALPHA	CABO	CABT	CABS	CAF	CNF	CLMF
-8.000	.03245	04928	.02400	.29210	- 57457	.22352
-6.000	03251	04810	02358	28898	- 43550	.16793
-4.000	03286	04688	02335	28572	- 30900	.12032
-2.000	03348	04482	02317	28363	- 18978	.07684
.000	03431	04194	02310	28292	- 07479	.03534
2.000	.03508	03995	02317	.28078	03662	-.00438
4.000	03518	03895	02311	27801	14454	-.04475
GRADIENT	.00031	-.00104	-.00002	- 00091	05667	-.02057

LARC UPWT 1152(1A94A) OTSAT130

(1JK019) (15 OCT 76)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT
 LREF = 1290.3000 INCHES YMRP = .0000 IN. YT
 BREF = 1290.3000 INCHES ZMRP = 400.0000 IN. ZT
 SCALE = .0100

PARAMETRIC DATA

ELV-LI = 10.000 ELV-LO = -5.000
 ELV-RI = 10.000 ELV-RO = -5.000
 BETA = .000

RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH = 1.550

ALPHA	CABO	CABT	CABS	CAF	CNF	CLMF
-8.000	04146	.06649	.02922	.30525	-.56268	.21493
-6.000	.04197	06462	02903	.30304	-.41730	.15933
-4.000	04225	.06149	.02836	30360	- 28218	10605
-2.000	04230	.05943	.02824	30466	- 14690	05300
.000	04174	.05770	.02803	.30547	- 01968	.00622
2.000	.04119	.05612	.02809	.30444	09688	-.03589
4.000	.04001	.05555	.02839	.30057	21034	-.07862
GRADIENT	-.00028	-.00076	-.00000	-.00031	.06144	-.02291

DATE 29 OCT 76

TABULATED SOURCE DATA - 1A94A.

PAGE 201

LARC UPWT 1152(1A94A) OTSAT130

(1JK019) (15 OCT 76)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT
 LREF = 1290.3000 INCHES YMRP = .0000 IN. YT
 BREF = 1290.3000 INCHES ZMRP = 400.0000 IN. ZT
 SCALE = .0100

PARAMETRIC DATA

ELV-LI = 10.000 ELV-LO = -5.000
 ELV-RI = 10.000 ELV-RO = -5.000
 BETA = .000

RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH = 2.000

ALPHA	CABO	CABT	CABS	CAF	CNF	CLMF
-8.000	.03015	.04748	.02231	.30062	-.56177	.21978
-6.000	.03054	.04705	.02201	.29423	-.43016	.16850
-4.000	.03105	.04551	.02145	.29167	-.30642	.12271
-2.000	.03141	.04325	.02142	.29045	-.19217	.08235
.000	.03203	.04103	.02174	.28920	-.07643	.04081
2.000	.03302	.03931	.02207	.28572	.03405	.00049
4.000	.03298	.03857	.02212	.28086	.14222	-.04175
GRADIENT	.00027	-.00089	.00010	-.00132	.05617	-.02054

LARC UPWT 1152(1A94A) OTSAT130

(1JK020) (15 OCT 76)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT
 LREF = 1290.3000 INCHES YMRP = .0000 IN. YT
 BREF = 1290.3000 INCHES ZMRP = 400.0000 IN. ZT
 SCALE = .0100

PARAMETRIC DATA

ELV-LI = 10.000 ELV-LO = -5.000
 ELV-RI = 10.000 ELV-RO = -5.000
 BETA = 4.000

RN/L = 2.01 GRADIENT INTERVAL = -5.00/ 5.00

MACH = 1.550

ALPHA	CABO	CABT	CABS	CAF	CNF	CLMF
-8.000	.04234	.06564	.02721	.31079	-.57923	.22232
-6.000	.04285	.06433	.02802	.30792	-.42967	.16331
-4.000	.04280	.06176	.02741	.30720	-.28969	.10868
-2.000	.04284	.05882	.02647	.30801	-.15408	.05547
.000	.04305	.05689	.02576	.30830	-.02724	.00851
2.000	.04264	.05561	.02586	.30657	.09212	-.03692
4.000	.04184	.05404	.02609	.30408	.20661	-.07985
GRADIENT	-.00011	-.00093	-.00016	-.00038	.06194	-.02347

DATE 29 OCT 76

TABULATED SOURCE DATA - 1A94A.

PAGE 202

LARC UPWT 1152(1A94A) OTSAT130

(1JK020) (15 OCT 76)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT
 LREF = 1290.3000 INCHES YMRP = .0000 IN. YT
 BREF = 1290.3000 INCHES ZMRP = 400.0000 IN. ZT
 SCALE = .0100

PARAMETRIC DATA

ELV-LI = 10 000 ELV-LO = -5.000
 ELV-RI = 10 000 ELV-RO = -5 000
 BETA = 4 000

RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH = 2.000

ALPHA	CABO	CABT	CABS	CAF	CNF	CLMF
-8 000	.03251	.04773	.02141	29875	-.56522	.22052
-6 000	.03253	.04734	.02080	29538	-.42893	.16583
-4 000	.03265	.04601	.01988	29424	-.30226	.11816
-2.000	.03310	.04394	.01958	29267	-.18491	.07588
.000	.03379	.04198	.01983	.29055	-.07227	.03542
2.000	.03445	.03977	.02017	28723	.03968	-.00537
4 000	.03457	.03839	.02022	28322	.15175	-.04857
GRADIENT	.00026	-.00097	.00006	-.00137	.05663	-.02073

LARC UPWT 1152(1A94A) OTSAT130

(1JK021) (15 OCT 76)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976 0000 IN. XT
 LREF = 1290.3000 INCHES YMRP = .0000 IN YT
 BREF = 1290.3000 INCHES ZMRP = 400.0000 IN ZT
 SCALE = .0100

PARAMETRIC DATA

ELV-LI = 10.000 ELV-LO = -5.000
 ELV-RI = 10.000 ELV-RO = -5.000
 BETA = 6 000

RN/L = 2.01 GRADIENT INTERVAL = -5 00/ 5.00

MACH = 1.550

ALPHA	CABO	CABT	CABS	CAF	CNF	CLMF
-8.000	.04402	.06589	.02542	.30871	-.58026	.22155
-6.000	.04437	.06426	.02615	.30854	-.43098	.16186
-4.000	.04447	.06217	.02582	.30732	-.29130	.10782
-2.000	.04441	.05979	.02507	.30776	-.15844	.05650
.000	.04414	.05794	.02415	.30849	-.02364	.00528
2.000	.04350	.05701	.02471	.30640	.09535	-.04065
4.000	.04312	.05549	.02499	.30312	.21046	-.08425
GRADIENT	-.00018	-.00081	-.00010	-.00049	.06287	-.02407

DATE 29 OCT 76

TABULATED SOURCE DATA - 1A94A.

PAGE 203

LARC UPWT 1152(1A94A) OTSAT130

(1JK021) (15 OCT 76)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT
 LREF = 1290.3000 INCHES YMRP = .0000 IN. YT
 BREF = 1290.3000 INCHES ZMRP = 400.0000 IN. ZT
 SCALE = .0100

PARAMETRIC DATA

ELV-L1 = 10.000 ELV-LO = -5.000
 ELV-R1 = 10.000 ELV-RO = -5.000
 BETA = 6.000

RN/L = 2 00 GRADIENT INTERVAL = -5.00/ 5 00

MACH = 2.000

ALPHA	CABO	CABT	CABS	CAF	CNF	CLMF
-8.000	.03358	.04868	.01993	.29823	-.56252	.21733
-6.000	.03349	.04734	.01938	.29564	-.43282	.16694
-4.000	.03373	.04577	.01896	.29307	-.30470	.11800
-2.000	.03397	.04378	.01845	.29157	-.18176	.07182
.000	.03444	.04203	.01858	.28935	-.06912	.03040
2.000	.03524	.03985	.01906	.28584	.04358	-.00980
4.000	.03527	.03887	.01923	.28224	.15424	-.05152
GRADIENT	.00022	-.00089	.00006	-.00137	.05716	-.02103

LARC UPWT 1152(1A94A) OTSAT130

(1JK022) (15 OCT 76)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT
 LREF = 1290.3000 INCHES YMRP = .0000 IN. YT
 BREF = 1290.3000 INCHES ZMRP = 400.0000 IN. ZT
 SCALE = .0100

PARAMETRIC DATA

ELV-L1 = 10.000 ELV-LO = 2.000
 ELV-R1 = 10.000 ELV-RO = 2.000
 BETA = -6.000

RN/L = 2 00 GRADIENT INTERVAL = -5.00/ 5 00

MACH = 1.550

ALPHA	CABO	CABT	CABS	CAF	CNF	CLMF
-8.000	.04404	.06742	.03095	.29740	-.57399	.20980
-6.000	.04365	.06562	.03165	.29859	-.42188	.14866
-4.000	.04365	.06389	.03159	.29776	-.28060	.09443
-2.000	.04393	.06139	.03152	.29807	-.14674	.04345
.000	.04414	.05924	.03174	.29834	-.01871	-.00279
2.000	.04312	.05804	.03178	.29931	.10104	-.04681
4.000	.04204	.05725	.03164	.29754	.21712	-.08952
GRADIENT	-.00020	-.00083	.00002	.00004	.06216	-.02291

DATE 29 OCT 76

TABULATED SOURCE DATA - 1A94A.

PAGE 204

LARC UPWT 1152(1A94A) OTSAT130

(1JK022) (15 OCT 76)

REFERENCE DATA

SREF = 2690.0000 SQ FT. XMRP = 976.0000 IN. XT
 LREF = 1290.3000 INCHES YMRP = .0000 IN. YT
 BREF = 1290.3000 INCHES ZMRP = 400.0000 IN. ZT
 SCALE = .0100

PARAMETRIC DATA

ELV-L1 = 10.000 ELV-LO = 2.000
 ELV-R1 = 10.000 ELV-RO = 2.000
 BETA = -6.000

RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH = 2.000

ALPHA	CABO	CABT	CABS	CAF	CNF	CLMF
-8.000	.03315	.04915	.02340	.29402	-.54529	.20452
-6.000	.03310	.04831	.02367	.29010	-.41298	.15405
-4.000	.03377	.04686	.02371	.28638	-.28643	.10697
-2.000	.03459	.04486	.02352	.28345	-.16741	.06346
.000	.03552	.04219	.02343	.28295	-.05336	.02317
2.000	.03563	.03982	.02350	.28243	.05718	-.01594
4.000	.03544	.03883	.02343	.27894	.16607	-.05642
GRADIENT	.00022	-.00106	-.00003	-.00079	.05648	-.02031

LARC UPWT 1152(1A94A) OTSAT130

(1JK023) (15 OCT 76)

REFERENCE DATA

SREF = 2690.0000 SQ FT. XMRP = 976.0000 IN. XT
 LREF = 1290.3000 INCHES YMRP = .0000 IN. YT
 BREF = 1290.3000 INCHES ZMRP = 400.0000 IN. ZT
 SCALE = .0100

PARAMETRIC DATA

ELV-L1 = 10.000 ELV-LO = 2.000
 ELV-R1 = 10.000 ELV-RO = 2.000
 BETA = -4.000

RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH = 1.550

ALPHA	CABO	CABT	CABS	CAF	CNF	CLMF
-8.000	.04306	.06524	.03156	.30083	-.56842	.21157
-6.000	.04339	.06479	.03098	.30051	-.42002	.15321
-4.000	.04349	.06307	.03041	.30052	-.28136	.09875
-2.000	.04334	.06030	.03050	.30038	-.14728	.04758
.000	.04282	.05813	.03092	.30021	-.01725	-.00044
2.000	.04176	.05729	.03095	.30079	.10122	-.04511
4.000	.04117	.05658	.03088	.29872	.21644	-.08776
GRADIENT	-.00031	-.00080	.00007	-.00016	.06220	-.02328

DATE 29 OCT 76

TABULATED SOURCE DATA - 1A94A.

PAGE 205

LARC UPWT 1152(1A94A) OTSAT130

(1JK023) (15 OCT 76)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT
 LREF = 1290.3000 INCHES YMRP = .0000 IN. YT
 BREF = 1290.3000 INCHES ZMRP = 400.0000 IN. ZT
 SCALE = .0100

PARAMETRIC DATA

ELV-LI = 10.000 ELV-LO = 2.000
 ELV-RI = 10.000 ELV-RO = 2.000
 BETA = -4.000

RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH = 2.000

ALPHA	CABO	CABT	CABS	CAF	CNF	CLMF
-8.000	.03245	.04797	.02352	.29552	-.54595	.20675
-6.000	.03256	.04801	.02353	.28975	-.41210	.15551
-4.000	.03289	.04736	.02344	.28564	-.28389	.10785
-2.000	.03351	.04485	.02329	.28384	-.16588	.06550
.000	.03442	.04158	.02320	.28362	-.05519	.02614
2.000	.03509	.03959	.02325	.28175	.05496	-.01314
4.000	.03507	.03883	.02319	.27890	.16535	-.05474
GRADIENT	.00030	-.00112	-.00003	-.00078	.05597	-.02019

LARC UPWT 1152(1A94A) OTSAT130

(1JK024) (15 OCT 76)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT
 LREF = 1290.3000 INCHES YMRP = .0000 IN. YT
 BREF = 1290.3000 INCHES ZMRP = 400.0000 IN. ZT
 SCALE = .0100

PARAMETRIC DATA

ELV-LI = 10.000 ELV-LO = 2.000
 ELV-RI = 10.000 ELV-RO = 2.000
 BETA = .000

RN/L = 1.99 GRADIENT INTERVAL = -5.00/ 5.00

MACH = 1.550

ALPHA	CABO	CABT	CABS	CAF	CNF	CLMF
-8.000	.04166	.06627	.02922	.30643	-.56203	.20969
-6.000	.04208	.06449	.02909	.30428	-.41591	.15432
-4.000	.04229	.06133	.02842	.30442	-.27319	.09850
-2.000	.04231	.05961	.02831	.30543	-.14146	.04668
.000	.04192	.05756	.02819	.30335	-.01753	.00188
2.000	.04125	.05592	.02817	.30228	.10190	-.04089
4.000	.03967	.05499	.02842	.30199	.21750	-.08438
GRADIENT	-.00031	-.00082	-.00001	-.00040	.06124	-.02267

DATE 29 OCT 76

TABULATED SOURCE DATA - 1A94A.

LARC UPWT 1152(1A94A) OTSAT130

(1JK024) (15 OCT 76)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT
 LREF = 1290.3000 INCHES YMRP = 0000 IN. YT
 BREF = 1290.3000 INCHES ZMRP = 400 0000 IN. ZT
 SCALE = .0100

PARAMETRIC DATA

ELV-LI = 10.000 ELV-LO = 2.000
 ELV-RI = 10.000 ELV-RO = 2.000
 BETA = .000

RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH = 2.000	ALPHA	CABO	CABT	CABS	CAF	CNF	CLMF
-8.000	.02990	.04735	.02196	.30008	-.52599	.19918	
-6.000	.03046	.04693	.02173	.29506	-.40146	.15244	
-4.000	.03091	.04540	.02138	.29233	-.28100	.11044	
-2.000	.03127	.04361	.02134	.29093	-.16660	.07016	
.000	.03191	.04136	.02161	.29067	-.05483	.03049	
2.000	.03281	.03923	.02196	.28678	.05421	-.00896	
4.000	.03263	.03853	.02204	.28068	.16416	-.05261	
GRADIENT	.00025	-.00091	.00010	-.00137	.05556	-.02026	

LARC UPWT 1152(1A94A) OTSAT130

(1JK025) (15 OCT 76)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT
 LREF = 1290.3000 INCHES YMRP = .0000 IN. YT
 BREF = 1290.3000 INCHES ZMRP = 400.0000 IN. ZT
 SCALE = .0100

PARAMETRIC DATA

ELV-LI = 10.000 ELV-LO = 2.000
 ELV-RI = 10.000 ELV-RO = 2.000
 BETA = 4.000

RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH = 1.550	ALPHA	CABO	CABT	CABS	CAF	CNF	CLMF
-8.000	.04254	.06559	.02715	.31146	-.56821	.21334	
-6.000	.04300	.06445	.02795	.30904	-.41982	.15507	
-4.000	.04290	.06236	.02762	.30739	-.28076	.10137	
-2.000	.04286	.05905	.02652	.30920	-.14448	.04791	
.000	.04302	.05682	.02567	.31028	-.01882	.00098	
2.000	.04253	.05520	.02581	.30878	.10248	-.04476	
4.000	.04161	.05369	.02612	.30678	.21779	-.08766	
GRADIENT	-.00015	-.00106	-.00019	-.00008	.06220	-.02354	

DATE 29 OCT 76

TABULATED SOURCE DATA - 1A94A.

PAGE 207

LARC UPWT 1152(1A94A) OTSAT130

(1JK025) (15 OCT 76)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT
 LREF = 1290.3000 INCHES YMRP = .0000 IN. YT
 BREF = 1290.3000 INCHES ZMRP = 400.0000 IN. ZT
 SCALE = .0100

PARAMETRIC DATA

ELV-LI = 10.000 ELV-LO = 2.000
 ELV-RI = 10.000 ELV-RO = 2.000
 BETA = 4.000

RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH = 2.000

ALPHA	CABO	CABT	CABS	CAF	CNF	CLMF
-8 000	.03247	.04766	.02090	.30138	-.53341	.20216
-6 000	.03250	.04728	.02046	.29745	-.40274	.15229
-4 000	.03266	.04621	.01994	.29466	-.27912	.10757
-2 000	.03316	.04418	.01962	.29316	-.16623	.06700
.000	.03381	.04164	.01988	.29174	-.05260	.02662
2 000	.03423	.03930	.02016	.28840	.06149	-.01476
4 000	.03433	.03831	.02014	.28423	.17116	-.05801
GRADIENT	.00022	-.00103	.00005	-.00128	.05641	-.02065

LARC UPWT 1152(1A94A) OTSAT130

(1JK026) (15 OCT 76)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT
 LREF = 1290.3000 INCHES YMRP = .0000 IN. YT
 BREF = 1290.3000 INCHES ZMRP = 400.0000 IN. ZT
 SCALE = .0100

PARAMETRIC DATA

ELV-LI = 10.000 ELV-LO = 2.000
 ELV-RI = 10.000 ELV-RO = 2.000
 BETA = 6.000

RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH = 1.550

ALPHA	CABO	CABT	CABS	CAF	CNF	CLMF
-8 000	.04416	.06585	.02529	.30943	-.56700	.21149
-6 000	.04447	.06430	.02605	.30970	-.42127	.15359
-4 000	.04455	.06248	.02585	.30836	-.28386	.10097
-2 000	.04441	.05972	.02511	.30931	-.14446	.04644
.000	.04412	.05790	.02418	.31047	-.01717	-.00141
2 000	.04342	.05674	.02468	.30897	.10220	-.04698
4 000	.04303	.05530	.02505	.30560	.21652	-.08969
GRADIENT	-.00020	-.00087	-.00010	-.00029	.06237	-.02374

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DATE 29 OCT 76

TABULATED SOURCE DATA - 1A94A.

PAGE 208

LARC UPWT 1152(1A94A) OTSAT130

(1JK026) (15 OCT 76)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT
 LREF = 1290.3000 INCHES YMRP = .0000 IN. YT
 BREF = 1290.3000 INCHES ZMRP = 400.0000 IN. ZT
 SCALE = .0100

PARAMETRIC DATA

ELV-LI = 10.000 ELV-LO = 2.000
 ELV-RI = 10.000 ELV-RO = 2.000
 BETA = 6.000

RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH = 2.000

ALPHA	CABO	CABT	CABS	CAF	CNF	CLMF
-8.000	.03341	.04831	.01949	.30058	-.53905	.20345
-6.000	.03346	.04750	.01917	.29677	-.40818	.15400
-4.000	.03374	.04605	.01886	.29344	-.28125	.10661
-2.000	.03401	.04411	.01842	.29154	-.16439	.06326
.000	.03445	.04206	.01852	.29009	-.04730	.02057
2.000	.03507	.03993	.01896	.28691	.06266	-.01841
4.000	.03509	.03897	.01910	.28314	.17135	-.05960
GRADIENT	.00019	-.00092	.00005	-.00126	.05661	-.02071

LARC UPWT 1152(1A94A) OTSAT130

(1JK027) (15 OCT 76)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT
 LREF = 1290.3000 INCHES YMRP = .0000 IN. YT
 BREF = 1290.3000 INCHES ZMRP = 400.0000 IN. ZT
 SCALE = .0100

PARAMETRIC DATA

ELV-LI = 10.000 ELV-LO = -10.000
 ELV-RI = 10.000 ELV-RO = -10.000
 BETA = -6.000

RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH = 1.550

ALPHA	CABO	CABT	CABS	CAF	CNF	CLMF
-8.000	.04393	.06774	.03106	.29788	-.58931	.22554
-6.000	.04363	.06563	.03178	.29894	-.43829	.16398
-4.000	.04362	.06408	.03147	.29832	-.29973	.11065
-2.000	.04393	.06205	.03119	.29799	-.16105	.05791
.000	.04434	.06018	.03162	.29736	-.03277	.01059
2.000	.04356	.05888	.03184	.29761	.08971	-.03519
4.000	.04227	.05820	.03153	.29557	.20536	-.07785
GRADIENT	-.00015	-.00075	.00004	-.00025	.06305	-.02351

DATE 29 OCT 76

TABULATED SOURCE DATA - 1A94A.

PAGE 209

LARC UPWT 1152(1A94A) OTSAT130

(1JK027) (15 OCT 76)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT
LREF = 1290.3000 INCHES YMRP = .0000 IN. YT
BREF = 1290.3000 INCHES ZMRP = 400.0000 IN. ZT
SCALE = 0100

PARAMETRIC DATA

ELV-LI = 10.000 ELV-LO = -10.000
ELV-RI = 10.000 ELV-RO = -10.000
BETA = -6.000

RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	CABO	CABT	CABS	CAF	CNF	CLMF
2.000	-8.000	.03366	.04995	.02361	.29574	-.56873	.22047
	-6.000	.03352	.04916	.02390	.29148	-.43700	.16931
	-4.000	.03406	.04798	.02396	.28653	-.30595	.12002
	-2.000	.03480	.04564	.02373	.28389	-.18714	.07665
	.000	.03595	.04319	.02356	.28324	-.07386	.03614
	2.000	.03612	.04099	.02358	.28246	.03957	-.00386
	4.000	.03605	.03964	.02356	.27854	.14747	-.04320
	GRADIENT	.00026	-.00107	-.00005	-.00087	.05668	-.02035

LARC UPWT 1152(1A94A) OTSAT130

(1JK028) (15 OCT 76)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT
LREF = 1290.3000 INCHES YMRP = .0000 IN. YT
BREF = 1290.3000 INCHES ZMRP = 400.0000 IN. ZT
SCALE = 0100

PARAMETRIC DATA

ELV-LI = 10.000 ELV-LO = -10.000
ELV-RI = 10.000 ELV-RO = -10.000
BETA = -4.000

RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	CABO	CABT	CABS	CAF	CNF	CLMF
1.550	-8.000	.04293	.06571	.03169	.30171	-.58977	.22899
	-6.000	.04323	.06498	.03090	.30194	-.43899	.16932
	-4.000	.04340	.06317	.03018	.30141	-.29695	.11380
	-2.000	.04336	.06087	.03025	.30008	-.16166	.06158
	.000	.04304	.05867	.03084	.29959	-.03341	.01332
	2.000	.04216	.05816	.03098	.29870	.08797	-.03254
	4.000	.04145	.05739	.03077	.29729	.20379	-.07554
	GRADIENT	-.00025	-.00071	.00010	-.00048	.06255	-.02364

DATE 29 OCT 76

TABULATED SOURCE DATA - 1A94A.

PAGE 210

LARC UPWT 1152(1A94A) OTSAT130

(1JK028) (15 OCT 76)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT
 LREF = 1290.3000 INCHES YMRP = .0000 IN. YT
 BREF = 1290.3000 INCHES ZMRP = 400.0000 IN. ZT
 SCALE = .0100

PARAMETRIC DATA

ELV-L1 = 10.000 ELV-LO = -10.000
 ELV-R1 = 10.000 ELV-RO = -10.000
 BETA = -4.000

RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH = 2.000

ALPHA	CABO	CABT	CABS	CAF	CNF	CLMF
-8.000	.03285	.04790	.02374	.29780	-.56804	.22239
-6.000	.03291	.04852	.02382	.29139	-.43757	.17111
-4.000	.03316	.04786	.02367	.28696	-.30539	.12158
-2.000	.03388	.04505	.02340	.28502	-.18536	.07871
.000	.03478	.04229	.02327	.28356	-.07298	.03845
2.000	.03541	.04055	.02332	.28094	.03698	-.00040
4.000	.03550	.03953	.02334	.27841	.14614	-.04116
GRADIENT	.00031	-.00106	-.00004	-.00106	.05627	-.02023

LARC UPWT 1152(1A94A) OTSAT130

(1JK029) (15 OCT 76)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT
 LREF = 1290.3000 INCHES YMRP = .0000 IN. YT
 BREF = 1290.3000 INCHES ZMRP = 400.0000 IN. ZT
 SCALE = .0100

PARAMETRIC DATA

ELV-L1 = 10.000 ELV-LO = -10.000
 ELV-R1 = 10.000 ELV-RO = -10.000
 BETA = .000

RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH = 1.550

ALPHA	CABO	CABT	CABS	CAF	CNF	CLMF
-8.000	.04153	.06641	.02922	.30596	-.57699	.22457
-6.000	.04200	.06498	.02914	.30328	-.43372	.16944
-4.000	.04229	.06226	.02862	.30308	-.29216	.11390
-2.000	.04243	.05981	.02838	.30459	-.15822	.06138
.000	.04196	.05810	.02814	.30509	-.02929	.01384
2.000	.04135	.05641	.02818	.30416	.08591	-.02802
4.000	.04020	.05594	.02848	.29959	.20148	-.07127
GRADIENT	-.00026	-.00080	-.00002	-.00037	.06157	-.02299

DATE 29 OCT 76

TABULATED SOURCE DATA - 1A94A.

PAGE 211

LARC UPWT 1152(1A94A) OTSAT130

(1JK029) (15 OCT 76)

REFERENCE DATA

PARAMETRIC DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT
 LREF = 1290.3000 INCHES YMRP = .0000 IN. YT
 BREF = 1290.3000 INCHES ZMRP = 400.0000 IN. ZT
 SCALE = .0100

ELV-LI = 10.000 ELV-LO = -10.000
 ELV-RI = 10.000 ELV-RO = -10.000
 BETA = .000

RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5 00

MACH = 2.000

ALPHA	CABO	CABT	CABS	CAF	CNF	CLMF
-8.000	.03041	.04687	.02234	.30388	-.56073	.21931
-6 000	.03088	.04738	.02224	.29620	-.42816	.16869
-4 000	.03132	.04606	.02173	.29262	-.30159	.12357
-2.000	.03170	.04421	.02161	.29066	-.18591	.08311
.000	.03229	.04206	.02185	.28965	-.07350	.04273
2.000	.03326	.04006	.02222	.28557	.03721	.00282
4.000	.03325	.03925	.02237	.27988	.14641	-.03956
GRADIENT	.00027	-.00089	.00009	-.00153	.05596	-.02033

LARC UPWT 1152(1A94A) OTSAT130

(1JK030) (15 OCT 76)

REFERENCE DATA

PARAMETRIC DATA

SREF = 2690.0000 SQ.FT. XMRP = 976 0000 IN. XT
 LREF = 1290.3000 INCHES YMRP = 0000 IN. YT
 BREF = 1290.3000 INCHES ZMRP = 400.0000 IN. ZT
 SCALE = .0100

ELV-LI = 10.000 ELV-LO = -10.000
 ELV-RI = 10.000 ELV-RO = -10.000
 BETA = 4.000

RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5 00

MACH = 1 550

ALPHA	CABO	CABT	CABS	CAF	CNF	CLMF
-8.000	.04239	.06596	.02707	.31223	-.58563	.22997
-6 000	.04283	.06489	.02774	.30939	-.43643	.17074
-4 000	.04285	.06235	.02759	.30770	-.29866	.11660
-2 000	.04293	.05931	.02659	.30872	-.15944	.06248
.000	.04328	.05753	.02600	.30872	-.03437	.01513
2.000	.04290	.05625	.02600	.30694	.08450	-.03050
4.000	.04207	.05453	.02621	.30461	.20043	-.07362
GRADIENT	-.00008	-.00094	-.00017	-.00040	.06211	-.02367

DATE 29 OCT 76

TABULATED SOURCE DATA - 1A94A.

PAGE 212

LARC UPWT 1152(1A94A) OTSAT130

(1JK030) (15 OCT 76)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT
 LREF = 1290.3000 INCHES YMRP = .0000 IN. YT
 BREF = 1290.3000 INCHES ZMRP = 400 0000 IN. ZT
 SCALE = .0100

PARAMETRIC DATA

ELV-LI = 10.000 ELV-LO = -10.000
 ELV-RI = 10.000 ELV-RO = -10.000
 BETA = 4.000

RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH = 2.000

ALPHA	CABO	CABT	CABS	CAF	CNF	CLMF
-8 000	.03286	.04832	.02145	.30214	-.55937	.21874
-6 000	.03277	.04768	.02075	.29888	-.42517	.16675
-4 000	.03288	.04660	.02010	.29622	-.29809	.11932
-2 000	.03346	.04474	.01988	.29313	-.18140	.07847
000	.03414	.04251	.02013	.29115	-.07047	.03927
2 000	.03473	.04000	.02053	.28749	.04329	-.00221
4 000	.03493	.03888	.02057	.28292	.15367	-.04492
GRADIENT	.00027	-.00101	.00008	-.00161	.05641	-.02046

LARC UPWT 1152(1A94A) OTSAT130

(1JK031) (15 OCT 76)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT
 LREF = 1290.3000 INCHES YMRP = .0000 IN. YT
 BREF = 1290.3000 INCHES ZMRP = 400 0000 IN. ZT
 SCALE = 0100

PARAMETRIC DATA

ELV-LI = 10.000 ELV-LO = -10.000
 ELV-RI = 10.000 ELV-RO = -10.000
 BETA = 6 000

RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH = 1.550

ALPHA	CABO	CABT	CABS	CAF	CNF	CLMF
-8 000	.04404	.06632	.02541	.31017	-.58986	.23010
-6 000	.04439	.06489	.02604	.31017	-.44259	.17101
-4 000	.04445	.06252	.02601	.30860	-.30039	.11653
-2 000	.04449	.06028	.02531	.30869	-.16265	.06259
000	.04444	.05847	.02445	.30915	-.03510	.01365
2 000	.04384	.05755	.02483	.30764	.08601	-.03313
4 000	.04338	.05623	.02511	.30408	.20308	-.07737
GRADIENT	-.00014	-.00077	-.00011	-.00051	.06278	-.02418

DATE 29 OCT 76

TABULATED SOURCE DATA - 1A94A.

PAGE 213

LARC UPWT 1152(1A94A) OTSAT130

(1JK031) (15 OCT 76)

REFERENCE DATA

PARAMETRIC DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT
 LREF = 1290.3000 INCHES YMRP = .0000 IN. YT
 BREF = 1290.3000 INCHES ZMRP = 400.0000 IN. ZT
 SCALE = .0100

ELV-LI = 10.000 ELV-LO = -10.000
 ELV-RI = 10.000 ELV-RO = -10.000
 BETA = 6.000

RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH = 2.000

ALPHA	CABO	CABT	CABS	CAF	CNF	CLMF
-8.000	.03389	.04786	.01993	.30281	-.56220	.21911
-6.000	.03380	.04779	.01954	.29835	-.42797	.16765
-4.000	.03402	.04646	.01922	.29489	-.29926	.11892
-2.000	.03433	.04471	.01884	.29160	-.17575	.07315
.000	.03479	.04299	.01886	.28933	-.06282	.03239
2.000	.03552	.04063	.01931	.28599	.04537	-.00598
4.000	.03563	.03959	.01956	.28176	.15421	-.04705
GRADIENT	.00022	-.00089	.00006	-.00159	.05640	-.02055

LARC UPWT 1152(1A94A) OTSAT130

(1JK032) (15 OCT 76)

REFERENCE DATA

PARAMETRIC DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT
 LREF = 1290.3000 INCHES YMRP = .0000 IN. YT
 BREF = 1290.3000 INCHES ZMRP = 400.0000 IN. ZT
 SCALE = .0100

ELV-LI = 12.000 ELV-LO = -10.000
 ELV-RI = 12.000 ELV-RO = -10.000
 BETA = -6.000

RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH = 1.550

ALPHA	CABO	CABT	CABS	CAF	CNF	CLMF
-8.000	.04413	.06763	.03111	.29906	-.58720	.22440
-6.000	.04383	.06564	.03179	.30012	-.43534	.16232
-4.000	.04378	.06406	.03163	.29886	-.29858	.10953
-2.000	.04420	.06175	.03129	.29870	-.16182	.05738
.000	.04460	.05985	.03164	.29786	-.03370	.00997
2.000	.04365	.05858	.03180	.29891	.08982	-.03555
4.000	.04247	.05800	.03151	.29654	.20646	-.07855
GRADIENT	-.00016	-.00076	.00001	-.00022	.06309	-.02345

DATE 29 OCT 76

TABULATED SOURCE DATA - 1A94A.

PAGE 214

LARC UPWT 1152(1A94A) OTSAT130

(1JK033) (15 OCT 76)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT
 LREF = 1290.3000 INCHES YMRP = .0000 IN. YT
 BREF = 1290.3000 INCHES ZMRP = 400.0000 IN. ZT
 SCALE = .0100

PARAMETRIC DATA

ELV-LI = 12.000 ELV-LO = -10.000
 ELV-RI = 12.000 ELV-RO = -10.000
 BETA = -4.000

RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH = 1.550

ALPHA	CABO	CABT	CABS	CAF	CNF	CLMF
-8.000	.04325	.06561	.03165	.30261	-.58810	.22791
-6.000	.04356	.06491	.03098	.30232	-.43761	.16888
-4.000	.04363	.06327	.03053	.30176	-.29670	.11330
-2.000	.04357	.06097	.03035	.30097	-.16104	.06096
.000	.04321	.05857	.03073	.30091	-.03057	.01222
2.000	.04226	.05789	.03092	.30010	.09014	-.03337
4.000	.04169	.05730	.03074	.29780	.20442	-.07593
GRADIENT	-.00026	-.00075	.00005	-.00044	.06267	-.02364

LARC UPWT 1152(1A94A) OTSAT130

(1JK034) (15 OCT 76)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT
 LREF = 1290.3000 INCHES YMRP = .0000 IN. YT
 BREF = 1290.3000 INCHES ZMRP = 400.0000 IN. ZT
 SCALE = .0100

PARAMETRIC DATA

ELV-LI = 12.000 ELV-LO = -10.000
 ELV-RI = 12.000 ELV-RO = -10.000
 BETA = .000

RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH = 1.550

ALPHA	CABO	CABT	CABS	CAF	CNF	CLMF
-8.000	.04183	.06538	.02932	.30641	-.57665	.22377
-6.000	.04224	.06461	.02913	.30416	-.42700	.16583
-4.000	.04256	.06166	.02858	.30383	-.28870	.11157
-2.000	.04267	.05945	.02845	.30494	-.15530	.05956
.000	.04213	.05768	.02814	.30549	-.02562	.01200
2.000	.04168	.05616	.02819	.30420	.08783	-.02935
4.000	.04041	.05577	.02849	.29993	.20413	-.07311
GRADIENT	-.00027	-.00075	-.00002	-.00043	.06144	-.02291

DATE 29 OCT 76

TABULATED SOURCE DATA - 1A94A.

PAGE 215

LARC UPWT 1152(1A94A) OTSAT130

(1JK035) (15 OCT 76)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT
 LREF = 1290.3000 INCHES YMRP = .0000 IN. YT
 BREF = 1290.3000 INCHES ZMRP = 400.0000 IN. ZT
 SCALE = .0100

PARAMETRIC DATA

ELV-LI = 12.000 ELV-LO = -10.000
 ELV-RI = 12.000 ELV-RO = -10.000
 BETA = 4.000

RN/L = 2 00 GRADIENT INTERVAL = -5.00/ 5.00

MACH = 1.550

ALPHA	CABO	CABT	CABS	CAF	CNF	CLMF
-8 000	.04268	.06560	.02719	.31349	-.58110	.22802
-6 000	.04313	.06452	.02785	.31097	-.43648	.16999
-4 000	.04310	.06216	.02763	.30910	-.29498	.11474
-2.000	.04326	.05964	.02680	.30884	-.15857	.06206
.000	.04356	.05723	.02601	.30983	-.02876	.01267
2 000	.04315	.05585	.02600	.30794	.08811	-.03205
4 000	.04227	.05445	.02616	.30580	.20236	-.07487
GRADIENT	-.00009	-.00096	-.00019	-.00037	.06207	-.02367

LARC UPWT 1152(1A94A) OTSAT130

(1JK036) (15 OCT 76)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976 0000 IN. XT
 LREF = 1290.3000 INCHES YMRP = .0000 IN. YT
 BREF = 1290.3000 INCHES ZMRP = 400 0000 IN. ZT
 SCALE = .0100

PARAMETRIC DATA

ELV-LI = 12.000 ELV-LO = -10.000
 ELV-RI = 12.000 ELV-RO = -10.000
 BETA = 6.000

RN/L = 2 00 GRADIENT INTERVAL = -5.00/ 5.00

MACH = 1.550

ALPHA	CABO	CABT	CABS	CAF	CNF	CLMF
-8 000	.04425	.06602	.02552	.31150	-.58577	.22843
-6.000	.04457	.06462	.02612	.31144	-.43833	.16889
-4 000	.04467	.06252	.02598	.30982	-.29926	.11571
-2.000	.04482	.05999	.02526	.30994	-.16423	.06248
.000	.04473	.05814	.02444	.31076	-.03531	.01368
2.000	.04410	.05722	.02487	.30849	.08721	-.03341
4 000	.04360	.05575	.02509	.30558	.20400	-.07819
GRADIENT	-.00014	-.00082	-.00011	-.00050	.06290	-.02418

ORIGINAL PAGE IS
 OF POOR QUALITY

DATE 29 OCT 76

TABULATED SOURCE DATA - 1A94A.

PAGE 216

LARC UPWT 1152(1A94A) OTSAT130

(1JK037) (15 OCT 76)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT
 LREF = 1290.3000 INCHES YMRP = .0000 IN. YT
 BREF = 1290.3000 INCHES ZMRP = 400.0000 IN. ZT
 SCALE = .0100

PARAMETRIC DATA

ELV-L1 = 12.000 ELV-LO = -5.000
 ELV-R1 = 12.000 ELV-RO = -5.000
 BETA = -6.000

RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	CABO	CABT	CABS	CAF	CNF	CLMF
1.550							
-8.000	.04443	.06765	.03131	.29784	-.58467	.21822	
-6.000	.04415	.06541	.03216	.29865	-.43287	.15637	
-4.000	.04408	.06387	.03170	.29777	-.29003	.10150	
-2.000	.04444	.06163	.03159	.29738	-.15649	.05076	
.000	.04470	.05962	.03191	.29685	-.02728	.00323	
2.000	.04376	.05850	.03198	.29756	.08982	-.04016	
4.000	.04253	.05782	.03167	.29534	.20998	-.08436	
GRADIENT	-.00019	-.00076	.00002	-.00023	.06232	-.02313	

RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	CABO	CABT	CABS	CAF	CNF	CLMF
2.000							
-8.000	.03383	.04873	.02373	.29455	-.57692	.21915	
-6.000	.03355	.04865	.02402	.28992	-.44080	.16443	
-4.000	.03405	.04721	.02398	.28563	-.31045	.11610	
-2.000	.03483	.04488	.02371	.28356	-.18601	.07048	
.000	.03598	.04263	.02360	.28174	-.07012	.02916	
2.000	.03626	.04012	.02365	.28122	.04063	-.00963	
4.000	.03611	.03885	.02356	.27788	.14849	-.04892	
GRADIENT	.00028	-.00107	-.00004	-.00089	.05722	-.02051	

DATE 29 OCT 76

TABULATED SOURCE DATA - 1A94A.

PAGE 217

LARC UPWT 1152(1A94A) OTSAT130

(1JK038) (15 OCT 76)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT
 LREF = 1290.3000 INCHES YMRP = .0000 IN. YT
 BREF = 1290.3000 INCHES ZMRP = 400.0000 IN. ZT
 SCALE = .0100

PARAMETRIC DATA

ELV-L1 = 12.000 ELV-LO = -5.000
 ELV-R1 = 12.000 ELV-RO = -5.000
 BETA = -4.000

RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH = 1.550	ALPHA	CABO	CABT	CABS	CAF	CNF	CLMF
-8.000	.04352	.06572	.03184	.30028	- 58072	.21949	
-6.000	.04383	.06491	.03109	.30058	- 43273	.16137	
-4.000	.04390	.06299	.03052	.29985	- 29045	.10577	
-2.000	.04367	.06079	.03058	.29904	- 15726	.05470	
.000	.04330	.05838	.03097	.29852	- 02364	.00465	
2.000	.04245	.05765	.03107	.29845	.09252	- 03868	
4.000	.04178	.05696	.03081	.29686	.20783	- 08193	
GRADIENT	- 00027	- 00076	.00005	- .00033	.06232	- .02344	

RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH = 2.000	ALPHA	CABO	CABT	CABS	CAF	CNF	CLMF
-8.000	.03289	.04860	.02394	.29535	- 57559	.22025	
-6.000	.03299	.04825	.02388	.29011	- 43310	.16357	
-4.000	.03328	.04706	.02363	.28607	- 30014	.11450	
-2.000	.03391	.04463	.02344	.28328	- 18075	.07179	
.000	.03489	.04186	.02337	.28157	- 06878	.03167	
2.000	.03555	.02972	.02339	.27984	.04286	- 00766	
4.000	.03554	.03883	.02333	.27711	.15186	- 04800	
GRADIENT	.00031	- 00107	- .00003	- .00107	.05638	- .02022	

DATE 29 OCT 76

TABULATED SOURCE DATA - 1A94A.

PAGE 218

LARC UPWT 1152(1A94A) OTSAT130

(1JK039) (15 OCT 76)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT
 LREF = 1290.3000 INCHES YMRP = .0000 IN. YT
 BREF = 1290.3000 INCHES ZMRP = 400 0000 IN. ZT
 SCALE = .0100

PARAMETRIC DATA

ELV-L1 = 12.000 ELV-LO = -5.000
 ELV-R1 = 12.000 ELV-RO = -5.000
 BETA = .000

RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH = 1.550	ALPHA	CABO	CABT	CABS	CAF	CNF	CLMF
-8.000	.04211	.06664	.02946	.30694	-.56786	.21676	
-6.000	.04253	.06479	.02932	.30516	-.42313	.16151	
-4.000	.04286	.06159	.02871	.30437	-.28584	.10766	
-2.000	.04291	.05962	.02863	.30498	-.15169	.05471	
.000	.04231	.05766	.02824	.30592	-.02244	.00744	
2.000	.04178	.05613	.02828	.30477	.09353	-.03440	
4.000	.04044	.05557	.02863	.30087	.20719	-.07698	
GRADIENT	-.00030	-.00078	-.00003	-.00036	.06156	-.02292	

RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH = 2.000	ALPHA	CABO	CABT	CABS	CAF	CNF	CLMF
-8.000	.03062	.04758	.02256	.30215	-.56641	.21643	
-6.000	.03098	.04700	.02216	.29666	-.43370	.16553	
-4.000	.03145	.04565	.02169	.29252	-.30755	.11994	
-2.000	.03185	.04317	.02164	.29086	-.19158	.07970	
.000	.03240	.04097	.02189	.28971	-.07570	.03764	
2.000	.03334	.03917	.02225	.28561	.03553	-.00234	
4.000	.03332	.03846	.02234	.28030	.14552	-.04471	
GRADIENT	.00026	-.00092	.00010	-.00149	.05666	-.02057	

DATE 29 OCT 76

TABULATED SOURCE DATA - 1A94A.

PAGE 219

LARC UPWT 1152(1A94A) OTSAT130

(1JK040) (15 OCT 76)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976 0000 IN. XT
 LREF = 1290.3000 INCHES YMRP = 0000 IN. YT
 BREF = 1290.3000 INCHES ZMRP = 400 0000 IN. ZT
 SCALE = .0100

PARAMETRIC DATA

ELV-L1 = 12.000 ELV-L0 = -5.000
 ELV-R1 = 12.000 ELV-R0 = -5.000
 BETA = 4.000

RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH = 1.550	ALPHA	CABO	CABT	CABS	CAF	CNF	CLMF
-8.000	.04289	.06578	.02743	.30988	-.57814	.22124	
-6.000	.04335	.06448	.02827	.30708	-.43106	.16281	
-4.000	.04330	.06191	.02769	.30591	-.29197	.10787	
-2.000	.04339	.05910	.02663	.30648	-.15472	.05450	
.000	.04362	.05714	.02598	.30667	-.02271	.00514	
2.000	.04322	.05555	.02610	.30526	.09184	-.03861	
4.000	.04233	.05409	.02631	.30279	.20558	-.08035	
GRADIENT	-.00011	-.00096	-.00016	-.00037	.06208	-.02348	

RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH = 2.000	ALPHA	CABO	CABT	CABS	CAF	CNF	CLMF
-8.000	.03306	.04767	.02111	.30117	-.56057	.21438	
-6.000	.03299	.04725	.02053	.29766	-.42316	.16079	
-4.000	.03301	.04629	.01999	.29423	-.29521	.11346	
-2.000	.03353	.04436	.01974	.29174	-.17808	.07163	
.000	.03423	.04185	.02010	.28908	-.06255	.03103	
2.000	.03486	.03917	.02048	.28591	.05011	-.00972	
4.000	.03496	.03826	.02043	.28146	.15732	-.05146	
GRADIENT	.00026	-.00106	.00008	-.00157	.05666	-.02056	

DATE 29 OCT 76

TABULATED SOURCE DATA - 1A94A.

PAGE 220

LARC UPWT 1152(1A94A) OTSAT130

(1JK041) (15 OCT 76)

REFERENCE DATA

SREF = 2690.0000 SQ FT. XMRP = 976.0000 IN. XT
 LREF = 1290.3000 INCHES YMRP = .0000 IN. YT
 BREF = 1290.3000 INCHES ZMRP = 400.0000 IN. ZT
 SCALE = .0100

PARAMETRIC DATA

ELV-LI = 12.000 ELV-LO = -5.000
 ELV-RI = 12.000 ELV-RO = -5.000
 BETA = 6.000

RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH = 1.550	ALPHA	CABO	CABT	CABS	CAF	CNF	CLMF
-8.000	.04457	.06617	.02563	.30700	- .57942	.21924	
-6.000	.04483	.06447	.02634	.30736	- .43291	.16119	
-4.000	.04497	.06247	.02598	.30586	- .29368	.10753	
-2.000	.04494	.05995	.02528	.30619	- .15538	.05345	
.000	.04474	.05812	.02445	.30685	- .02505	.00422	
2.000	.04409	.05711	.02491	.30503	.09277	-.04084	
4.000	.04367	.05570	.02519	.30163	.20587	-.08329	
GRADIENT	-.00017	-.00082	-.00010	-.00048	.06236	-.02380	

RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH = 2.000	ALPHA	CABO	CABT	CABS	CAF	CNF	CLMF
-8.000	.03398	.04892	.01992	.29908	- .55581	.21075	
-6.000	.03388	.04723	.01932	.29620	- .42416	.16061	
-4.000	.03412	.04590	.01909	.29249	- .29653	.11289	
-2.000	.03438	.04408	.01867	.28989	- .17523	.06792	
.000	.03477	.04237	.01872	.28713	- .05951	.02594	
2.000	.03558	.03989	.01927	.28380	.04875	-.01208	
4.000	.03563	.03886	.01944	.28012	.15876	-.05354	
GRADIENT	.00021	-.00091	.00007	-.00154	.05673	-.02064	

DATE 29 OCT 76

TABULATED SOURCE DATA - 1A94A.

PAGE 221

LARC UPWT 1152(1A94A) OTSAT130

(1JK042) (15 OCT 76)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT
 LREF = 1290.3000 INCHES YMRP = .0000 IN. YT
 BREF = 1290.3000 INCHES ZMRP = 400.0000 IN. ZT
 SCALE = .0100

PARAMETRIC DATA

ELV-L1 = 12.000 ELV-LO = 2.000
 ELV-R1 = 12.000 ELV-RO = 2.000
 BETA = -6.000

RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH = 1.550

ALPHA	CABO	CABT	CABS	CAF	CNF	CLMF
-8.000	.04471	.06788	.03133	.29700	-.57050	.20727
-6.000	.04436	.06594	.03213	.29859	-.41992	.14642
-4.000	.04430	.06407	.03208	.29792	-.27872	.09208
-2.000	.04460	.06149	.03199	.29825	-.14077	.03931
.000	.04483	.05971	.03217	.29755	-.01425	-.00607
2.000	.04369	.05837	.03218	.29933	.10716	-.05117
4.000	.04259	.05743	.03202	.23755	.22378	-.09337
GRADIENT	-.00022	-.00082	.00000	.00002	.06265	-.02307

LARC UPWT 1152(1A94A) OTSAT130

(1JK043) (15 OCT 76)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT
 LREF = 1290.3000 INCHES YMRP = .0000 IN. YT
 BREF = 1290.3000 INCHES ZMRP = 400.0000 IN. ZT
 SCALE = .0100

PARAMETRIC DATA

ELV-L1 = 12.000 ELV-LO = 2.000
 ELV-R1 = 12.000 ELV-RO = 2.000
 BETA = -4.000

RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH = 1.550

ALPHA	CABO	CABT	CABS	CAF	CNF	CLMF
-8.000	.04379	.06582	.03191	.30080	-.56856	.21042
-6.000	.04410	.06511	.03137	.30066	-.42019	.15264
-4.000	.04414	.06310	.03076	.30115	-.28071	.09776
-2.000	.04386	.06104	.03090	.30033	-.14144	.04417
.000	.04338	.05830	.03137	.30038	-.01244	-.00380
2.000	.04245	.05735	.03137	.30050	.10732	-.04787
4.000	.04182	.05657	.03125	.29882	.22169	-.09070
GRADIENT	-.00030	-.00083	.00007	-.00022	.06268	-.02345

DATE 29 OCT 76

TABULATED SOURCE DATA - 1A94A.

PAGE 222

LARC UPWT 1152(1A94A) OTSAT130

(1JK044) (15 OCT 76)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT
 LREF = 1290.3000 INCHES YMRP = .0000 IN. YT
 BREF = 1290.3000 INCHES ZMRP = 400.0000 IN. ZT
 SCALE = .0100

PARAMETRIC DATA

ELV-LI = 12.000 ELV-LO = 2.000
 ELV-RI = 12.000 ELV-RO = 2.000
 BETA = .000

RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH = 1.550

ALPHA	CABO	CABT	CABS	CAF	CNF	CLMF
-8.000	.04239	.06664	.02949	.30553	-.55496	.20599
-6.000	.04276	.06492	.02944	.30371	-.41097	.15121
-4.000	.04304	.06201	.02897	.30365	-.27340	.09700
-2.000	.04302	.05954	.02875	.30442	-.13598	.04288
.000	.04237	.05762	.02854	.30645	-.01254	-.00218
2.000	.04180	.05590	.02852	.30546	.10392	-.04373
4.000	.04040	.05534	.02880	.30203	.22008	-.08729
GRADIENT	-.00032	-.00085	-.00003	-.00011	.06134	-.02276

LARC UPWT 1152(1A94A) OTSAT130

(1JK045) (3 OCT 76)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT
 LREF = 1290.3000 INCHES YMRP = .0000 IN. YT
 BREF = 1290.3000 INCHES ZMRP = 400.0000 IN. ZT
 SCALE = .0100

PARAMETRIC DATA

ELV-LI = 12.000 ELV-LO = 2.000
 ELV-RI = 12.000 ELV-RO = 2.000
 BETA = 4.000

RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH = 1.550

ALPHA	CABO	CABT	CABS	CAF	CNF	CLMF
-8.000	.04319	.06603	.02755	.31187	-.56611	.21203
-6.000	.04368	.06486	.02821	.30991	-.41895	.15384
-4.000	.04358	.06223	.02790	.30871	-.27724	.09872
-2.000	.04352	.05920	.02677	.30987	-.14331	.04693
.000	.04372	.05727	.02601	.31076	-.01375	-.00227
2.000	.04324	.05564	.02606	.30930	.10646	-.04748
4.000	.04230	.05333	.02643	.30717	.21963	-.08884
GRADIENT	-.00014	-.00101	-.00018	-.00018	.06218	-.02348

DATE 29 OCT 76

TABULATED SOURCE DATA - 1A94A.

PAGE 223

LARC UPWT 1152(1A94A) OTSAT130

(1JK046) (15 OCT 76)

REFERENCE DATA

PREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT
 LREF = 1290.3000 INCHES YMRP = .0000 IN. YT
 BREF = 1290.3000 INCHES ZMRP = 400.0000 IN. ZT
 SCALE = .0100

PARAMETRIC DATA

ELV-LI = 12.000 ELV-LO = 2.000
 ELV-RI = 12.000 ELV-RO = 2.000
 BETA = 6.000

RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH = 1.550	ALPHA	CABO	CABT	CABS	CAF	CNF	CLMF
-8.000	.04477	.06628	.02563	.31007	-.56759	.21128	
-6.000	.04507	.06485	.02625	.31038	-.41597	.15094	
-4.000	.04513	.06290	.02611	.30912	-.27902	.09816	
-2.000	.04512	.06027	.02542	.30982	-.14360	.04534	
.000	.04490	.05800	.02451	.31114	-.01706	-.00265	
2.000	.04421	.05704	.02493	.30961	.10476	-.04908	
4.000	.04363	.05559	.02527	.30648	.22138	-.09213	
GRADIENT	-.00020	-.00089	-.00011	-.00027	.06246	-.02375	

LARC UPWT 1152(1A94A) OTSAT130

(1JK047) (15 OCT 76)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT
 LREF = 1290.3000 INCHES YMRP = .0000 IN. YT
 BREF = 1290.3000 INCHES ZMRP = 400.0000 IN. ZT
 SCALE = .0100

PARAMETRIC DATA

ELV-LI = 8.000 ELV-LO = 2.000
 ELV-RI = 8.000 ELV-RO = 2.000
 BETA = -6.000

RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH = 1.550	ALPHA	CABO	CABT	CABS	CAF	CNF	CLMF
-8.000	.04388	.06802	.03117	.29613	-.57669	.21208	
-6.000	.04353	.06599	.03197	.29753	-.42458	.15033	
-4.000	.04340	.06457	.03169	.29691	-.28163	.09600	
-2.000	.04360	.06247	.03167	.29677	-.14727	.04450	
.000	.04379	.06033	.03200	.29645	-.02186	-.00110	
2.000	.04282	.05912	.03204	.29810	.10166	-.04647	
4.000	.04178	.05824	.03197	.29609	.21693	-.08816	
GRADIENT	-.00020	-.00080	.00005	-.00002	.06230	-.02296	

ORIGINAL PAGE IS
 OF POOR QUALITY

DATE 29 OCT 76

TABULATED SOURCE DATA - 1A94A.

PAGE 224

LARC UPWT 1152(1A94A) OTSAT130

(1JK048) (15 OCT 76)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT
 LREF = 1290.3000 INCHES YMRP = .0000 IN. YT
 BREF = 1290.3000 INCHES ZMRP = 400.0000 IN. ZT
 SCALE = .0100

PARAMETRIC DATA

ELV-L1 = 8.000 ELV-LO = 2.000
 ELV-R1 = 8.000 ELV-RO = 2.000
 BETA = -4.000

RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH = 1.550

ALPHA	CABO	CABT	CABS	CAF	CNF	CLMF
-8.000	.04285	.06582	.03183	.29951	-.57308	.21468
-6.000	.04309	.06543	.03126	.29932	-.42340	.15559
-4.000	.04307	.06393	.03045	.29949	-.28410	.10112
-2.000	.04292	.06179	.03058	.29849	-.14946	.04970
.000	.04242	.05913	.03113	.29900	-.01996	.00137
2.000	.04140	.05848	.03116	.29971	.10062	-.04330
4.000	.04092	.05763	.03116	.29774	.21531	-.08603
GRADIENT	-.00029	-.00080	.00010	-.00011	.06244	-.02336

LARC UPWT 1152(1A94A) OTSAT130

(1JK049) (15 OCT 76)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT
 LREF = 1290.3000 INCHES YMRP = .0000 IN. YT
 BREF = 1290.3000 INCHES ZMRP = 400.0000 IN. ZT
 SCALE = .0100

PARAMETRIC DATA

ELV-L1 = 8.000 ELV-LO = 2.000
 ELV-R1 = 8.000 ELV-RO = 2.000
 BETA = .000

RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH = 1.550

ALPHA	CABO	CABT	CABS	CAF	CNF	CLMF
-8.000	.04132	.06695	.02934	.30415	-.56219	.21081
-6.000	.04168	.06578	.02936	.30137	-.41424	.15446
-4.000	.04191	.06301	.02870	.30106	-.27590	.10077
-2.000	.04197	.06062	.02843	.30321	-.14099	.04729
.000	.04151	.05875	.02837	.30434	-.01779	.00269
2.000	.04091	.05674	.02836	.30375	.10047	-.03994
4.000	.03961	.05605	.02873	.30025	.21570	-.08296
GRADIENT	-.00028	-.00089	-.00000	-.00005	.06123	-.02273

DATE 29 OCT 76

TABULATED SOURCE DATA - 1A94A.

PAGE 225

LARC UPWT 1152(1A94A) OTSAT130

(1JK050) (15 OCT 76)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976 0000 IN. XT
 LREF = 1290.3000 INCHES YMRP = 0000 IN. YT
 BREF = 1290.3000 INCHES ZMRP = 400.0000 IN. ZT
 SCALE = .0100

PARAMETRIC DATA

ELV-LI = 8.000 ELV-LO = 2.000
 ELV-RI = 8.000 ELV-RO = 2.000
 BETA = 4.000

RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH = 1.550

ALPHA	CABO	CABT	CABS	CAF	CNF	CLMF
-8.000	.04212	.06608	.02720	.31042	-.57074	.21646
-6.000	.04253	.06530	.02800	.30818	-.42111	.15788
-4.000	.04257	.06323	.02767	.30656	-.28491	.10442
-2.000	.04254	.05995	.02661	.30833	-.14402	.04958
.000	.04278	.05809	.02591	.30856	-.01835	.00175
2.000	.04231	.05639	.02590	.30763	.10275	-.04357
4.000	.04151	.05474	.02632	.30509	.21316	-.08454
GRADIENT	-.00012	-.00103	-.00017	-.00018	.06215	-.02355

LARC UPWT 1152(1A94A) OTSAT130

(1JK051) (15 OCT 76)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT
 LREF = 1290.3000 INCHES YMRP = .0000 IN. YT
 BREF = 1290.3000 INCHES ZMRP = 400 0000 IN. ZT
 SCALE = .0100

PARAMETRIC DATA

ELV-LI = 8.000 ELV-LO = 2.000
 ELV-RI = 8.000 ELV-RO = 2.000
 BETA = 6.000

RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH = 1.550

ALPHA	CABO	CABT	CABS	CAF	CNF	CLMF
-8.000	.04405	.06647	.02542	.30869	-.57535	.21673
-6.000	.04415	.06536	.02610	.30939	-.42716	.15797
-4.000	.04422	.06344	.02606	.30787	-.28549	.10350
-2.000	.04408	.06096	.02532	.30857	-.15025	.05012
.000	.04391	.05892	.02423	.30961	-.01857	.00075
2.000	.04327	.05791	.02482	.30780	.09955	-.04447
4.000	.04278	.05627	.02526	.30469	.21530	-.08771
GRADIENT	-.00018	-.00087	-.00011	-.00036	.06257	-.02385

LARC UPWT 1152(1A94A) OTSAT130

(1JK052) (15 OCT 76)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT
 LREF = 1290.3000 INCHES YMRP = .0000 IN. YT
 BREF = 1290.3000 INCHES ZMRP = 400.0000 IN. ZT
 SCALE = .0100

PARAMETRIC DATA

ELV-LI = 8.000 ELV-LO = -5.000
 ELV-RI = 8.000 ELV-RO = -5.000
 BETA = -6.000

RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH = 1.550

ALPHA	CABO	CABT	CABS	CAF	CNF	CLMF
-8.000	.04381	.06815	.03108	.29517	-.59053	.22293
-6.000	.04345	.06598	.03177	.29631	-.43394	.15958
-4.000	.04330	.06455	.03134	.29615	-.29437	.10593
-2.000	.04355	.06257	.03131	.29557	-.15767	.05421
.000	.04384	.06086	.03173	.29460	-.03098	.00748
2.000	.04293	.05961	.03190	.29589	.09132	-.03785
4.000	.04187	.05888	.03178	.29339	.20594	-.08003
GRADIENT	-.00017	-.00072	.00007	-.00026	.06248	-.02320

LARC UPWT 1152(1A94A) OTSAT130

(1JK053) (15 OCT 76)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT
 LREF = 1290.3000 INCHES YMRP = .0000 IN. YT
 BREF = 1290.3000 INCHES ZMRP = 400.0000 IN. ZT
 SCALE = .0100

PARAMETRIC DATA

ELV-LI = 8.000 ELV-LO = -5.000
 ELV-RI = 8.000 ELV-RO = -5.000
 BETA = -4.000

RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH = 1.550

ALPHA	CABO	CABT	CABS	CAF	CNF	CLMF
-8.000	.04263	.06605	.03173	.29854	-.58744	.22530
-6.000	.04296	.06551	.03108	.29797	-.43485	.16494
-4.000	.04300	.06392	.03021	.29810	-.29287	.10948
-2.000	.04294	.06216	.03026	.29695	-.15896	.05780
.000	.04249	.05956	.03083	.29712	-.03108	.00979
2.000	.04147	.05896	.03099	.29694	.08822	-.03426
4.000	.04100	.05818	.03091	.29485	.20534	-.07801
GRADIENT	-.00027	-.00073	.00011	-.00032	.06218	-.02335

DATE 29 OCT 76

TABULATED SOURCE DATA - 1A94A.

PAGE 227

LARC UPWT 1152(1A94A) OTSAT130

(1JK054) (15 OCT 76)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT
 LREF = 1290.3000 INCHES YMRP = 0000 IN. YT
 BREF = 1290.3000 INCHES ZMRP = 400.0000 IN. ZT
 SCALE = .0100

PARAMETRIC DATA

ELV-LI = 8.000 ELV-LO = -5.000
 ELV-RI = 8.000 ELV-RO = -5.000
 BETA = .000

RN/L = 1.99 GRADIENT INTERVAL = -5.00/ 5.00

MACH = 1.550

ALPHA	CABO	CABT	CABS	CAF	CNF	CLMF
-8.000	.04120	.06704	.02925	.30329	-.57876	.22265
-6.000	.04155	.06573	.02912	.30046	-.42815	.16514
-4.000	.04183	.06276	.02837	.30051	-.29019	.11075
-2.000	.04195	.06078	.02824	.30165	-.15551	.05800
.000	.04150	.05907	.02811	.30265	-.02799	.01146
2.000	.04100	.05728	.02825	.30114	.08983	-.03108
4.000	.03975	.05664	.02860	.29720	.20538	-.07489
GRADIENT	-.00026	-.00079	.00002	-.00036	.06182	-.02302

LARC UPWT 1152(1A94A) OTSAT130

(1JK055) (15 OCT 76)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT
 LREF = 1290.3000 INCHES YMRP = 0000 IN. YT
 BREF = 1290.3000 INCHES ZMRP = 400.0000 IN. ZT
 SCALE = .0100

PARAMETRIC DATA

ELV-LI = 8.000 ELV-LO = -5.000
 ELV-RI = 8.000 ELV-RO = -5.000
 BETA = 4.000

RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH = 1.550

ALPHA	CABO	CABT	CABS	CAF	CNF	CLMF
-8.000	.04197	.06648	.02700	.30932	-.58103	.22538
-6.000	.04240	.06550	.02776	.30651	-.42985	.16557
-4.000	.04242	.06293	.02745	.30551	-.29527	.11275
-2.000	.04255	.06027	.02662	.30571	-.15647	.05833
.000	.04287	.05817	.02583	.30643	-.02961	.01094
2.000	.04246	.05690	.02595	.30455	.09196	-.03532
4.000	.04169	.05537	.02613	.30229	.20287	-.07655
GRADIENT	-.00008	-.00092	-.00017	-.00038	.06224	-.02361

LARC UPWT 1152(1A94A) OTSAT130

(1JK056) (15 OCT 76)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT
 LREF = 1290.3000 INCHES YMRP = .0000 IN. YT
 BREF = 1290.3000 INCHES ZMRP = 400.0000 IN. ZT
 SCALE = .0100

PARAMETRIC DATA

ELV-LI = 8.000 ELV-LO = -5.000
 ELV-RI = 8.000 ELV-RO = -5.000
 BETA = 6.000

RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH = 1.550

ALPHA	CABO	CABT	CABS	CAF	CNF	CLMF
-8.000	.04387	.06582	.02545	.30773	-.58440	.22547
-6.000	.04402	.06545	.02619	.30693	-.43643	.16641
-4.000	.04412	.06355	.02604	.30602	-.29720	.11256
-2.000	.04407	.06122	.02534	.30594	-.15674	.05757
.000	.04398	.05939	.02423	.30725	-.03337	.01048
2.000	.04334	.05937	.02471	.30542	.08823	-.03601
4.000	.04295	.05690	.02508	.30181	.20381	-.07948
GRADIENT	-.00015	-.00081	-.00013	-.00045	.06235	-.02388

LARC UPWT 1152(1A94A) OTSAT130

(1JK057) (15 OCT 76)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT
 LREF = 1290.3000 INCHES YMRP = .0000 IN. YT
 BREF = 1290.3000 INCHES ZMRP = 400.0000 IN. ZT
 SCALE = .0100

PARAMETRIC DATA

ELV-LI = 8.000 ELV-LO = -10.000
 ELV-RI = 8.000 ELV-RO = -10.000
 BETA = -6.000

RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH = 1.550

ALPHA	CABO	CABT	CABS	CAF	CNF	CLMF
-8.000	.04371	.06799	.03110	.29464	-.59413	.22905
-6.000	.04340	.06592	.03182	.29547	-.44034	.16594
-4.000	.04329	.06485	.03149	.29442	-.29969	.11154
-2.000	.04345	.06283	.03125	.29462	-.16291	.05994
.000	.04383	.06095	.03175	.29391	-.03516	.01271
2.000	.04303	.05990	.03200	.29427	.08572	-.03289
4.000	.04202	.05914	.03185	.29141	.20511	-.07709
GRADIENT	-.00015	-.00072	.00007	-.00032	.06291	-.02351

DATE 29 OCT 76

TABULATED SOURCE DATA - 1A94A.

PAGE 229

LARC UPWT 1152(1A94A) OTSAT130

(1JK058) (15 OCT 76)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT
 LREF = 1290.3000 INCHES YMRP = .0000 IN. YT
 BREF = 1290.3000 INCHES ZMRP = 400.0000 IN. ZT
 SCALE = .0100

PARAMETRIC DATA

ELV-LI = 8.000 ELV-LO = -10.000
 ELV-RI = 8.000 ELV-RO = -10.000
 BETA = -4.000

RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH = 1.550	ALPHA	CABO	CABT	CABS	CAF	CNF	CLMF
-8.000	.04253	.06607	.03174	.29792	-.59224	.23138	
-6.000	.04278	.06548	.03106	.29753	-.44017	.17166	
-4.000	.04288	.06399	.03019	.29768	-.30331	.11793	
-2.000	.04288	.06171	.03024	.29664	-.16525	.06418	
.000	.04252	.05966	.03087	.29646	-.03480	.01562	
2.000	.04159	.05921	.03113	.29521	.08517	-.02967	
4.000	.04111	.05844	.03096	.29325	.20280	-.07399	
GRADIENT	-.00024	-.00068	.00012	-.00051	.06313	-.02388	

LARC UPWT 1152(1A94A) OTSAT130

(1JK059) (15 OCT 76)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT
 LREF = 1290.3000 INCHES YMRP = .0000 IN. YT
 BREF = 1290.3000 INCHES ZMRP = 400.0000 IN. ZT
 SCALE = .0100

PARAMETRIC DATA

ELV-LI = 8.000 ELV-LO = -10.000
 ELV-RI = 8.000 ELV-RO = -10.000
 BETA = .000

RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH = 1.550	ALPHA	CABO	CABT	CABS	CAF	CNF	CLMF
-8.000	.04100	.06702	.02921	.30205	-.58137	.22739	
-6.000	.04140	.06571	.02908	.29914	-.42876	.16878	
-4.000	.04176	.06337	.02862	.29786	-.29215	.11425	
-2.000	.04191	.06088	.02830	.29980	-.15395	.06060	
.000	.04151	.05921	.02817	.30079	-.02522	.01321	
2.000	.04104	.05751	.02834	.29961	.08955	-.02855	
4.000	.03990	.05690	.02862	.29523	.20551	-.07255	
GRADIENT	-.00023	-.00082	.00000	-.00027	.06194	-.02314	

DATE 29 OCT 76

TABULATED SOURCE DATA - 1A94A.

PAGE 230

LARC UPWT 1152(1A94A) OTSAT130

(1JK060) (15 OCT 76)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT
 LREF = 1290.3000 INCHES YMRP = .0000 IN. YT
 BREF = 1290.3000 INCHES ZMRP = 400.0000 IN. ZT
 SCALE = .0100

PARAMETRIC DATA

ELV-L1 = 8.000 ELV-LO = -10.000
 ELV-R1 = 8.000 ELV-RO = -10.000
 BETA = 4.000

RN/L = 2.01 GRADIENT INTERVAL = -5.00/ 5.00

MACH = 1.550

ALPHA	CABO	CABT	CABS	CAF	CNF	CLMF
-8.000	.04176	.06630	.02701	.30948	-.56891	.23321
-6.000	.04221	.06532	.02787	.30628	-.43903	.17332
-4.000	.04238	.06313	.02751	.30474	-.29887	.11839
-2.000	.04250	.06025	.02667	.30555	-.16627	.06580
.000	.04285	.05839	.02592	.30612	-.03542	.01659
2.000	.04259	.05727	.02598	.30352	.08626	-.03001
4.000	.04184	.05555	.02618	.30126	.19843	-.07192
GRADIENT	-.00005	-.00091	-.00017	-.00045	.06236	-.02382

LARC UPWT 1152(1A94A) OTSAT130

(1JK061) (15 OCT 76)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT
 LREF = 1290.3000 INCHES YMRP = .0000 IN. YT
 BREF = 1290.3000 INCHES ZMRP = 400.0000 IN. ZT
 SCALE = .0100

PARAMETRIC DATA

ELV-L1 = 8.000 ELV-LO = -10.000
 ELV-R1 = 8.000 ELV-RO = -10.000
 BETA = 6.000

RN/L = 2.01 GRADIENT INTERVAL = -5.00/ 5.00

MACH = 1.550

ALPHA	CABO	CABT	CABS	CAF	CNF	CLMF
-8.000	.04374	.06635	.02552	.30745	-.59350	.23398
-6.000	.04391	.06543	.02632	.30665	-.44488	.17440
-4.000	.04409	.06377	.02618	.30497	-.30441	.12002
-2.000	.04412	.06146	.02548	.30523	-.16795	.06627
.000	.04413	.05956	.02432	.30652	-.03956	.01695
2.000	.04359	.05869	.02491	.30403	.08079	-.03016
4.000	.04318	.05737	.02519	.30032	.20053	-.07513
GRADIENT	-.00012	-.00076	-.00013	-.00053	.06293	-.02434

DATE 29 OCT 76

TABULATED SOURCE DATA - 1A94A.

PAGE 231

LARC UPWT 1152(1A94A) OTSAT129

(MJK001) (15 OCT 76)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT
 LREF = 1290.3000 INCHES YMRP = .0000 IN. YT
 BREF = 1290.3000 INCHES ZMRP = 400 0000 IN. ZT
 SCALE = .0100

PARAMETRIC DATA

ELV-LI = .000 ELV-LO = .000
 ELV-RI = .000 ELV-RO = .000
 BETA = -6.000

RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH = 1.550

ALPHA	CYN	CBL	CY	CHEI	ELV-LI	CHEO	ELV-LO
-8.000	-.12723	.03670	.30431	.12173	.52793	.00902	.03018
-6.000	-.12015	.03881	.29029	.10936	.47434	.00094	.00314
-4.000	-.11919	.04072	.28554	.09521	.41307	-.00826	-.01383
-2.000	-.12044	.04315	.28559	.08068	.35003	-.01559	-.02610
.000	-.12243	.04488	.28540	.06791	.29468	-.01825	-.03055
2.000	-.12546	.04709	.28887	.05539	.24034	-.02103	-.03520
4.000	-.12546	.04846	.28786	.04416	.19159	-.02530	-.04235
GRADIENT	-.00088	.00097	.00040	-.00637	-.02763	-.00198	-.00331

RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH = 2.000

ALPHA	CYN	CBL	CY	CHEI	ELV-LI	CHEO	ELV-LO
-8.000	-.12025	.03344	.29209	.05511	.23680	.00134	.00444
-6.000	-.11469	.03402	.28203	.04118	.17686	-.00493	-.00818
-4.000	-.11508	.03655	.27975	.02853	.12257	-.00997	-.01653
-2.000	-.11763	.03796	.27993	.01540	.06617	-.01505	-.02494
.000	-.11978	.03865	.27720	.00406	.01745	-.02159	-.03578
2.000	-.12286	.03904	.27752	-.00760	-.01416	-.02898	-.04803
4.000	-.12280	.03935	.27650	-.01624	-.03028	-.03469	-.05747
GRADIENT	-.00103	.00033	-.00045	-.00563	-.01930	-.00317	-.00525

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DATE 29 OCT 76

TABULATED SOURCE DATA - 1A94A.

PAGE 232

LARC UPWT 1152(1A94A) OTSAT129

(MJK002) (15 OCT 76)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT
 LREF = 1290.3000 INCHES YMRP = 0000 IN. YT
 BREF = 1290.3000 INCHES ZMRP = 400 0000 IN. ZT
 SCALE = .0100

PARAMETRIC DATA

ELV-LI = .000 ELV-LO = .000
 ELV-RI = .000 ELV-RO = .000
 BETA = -4.000

RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH = 1.550	ALPHA	CYN	CBL	CY	CHEI	ELV-LI	CHEO	ELV-LO
-8.000	-.08351	.02397	.20276	.12207	.52950	.01178	.03944	
-6.000	-.07850	.02562	.19232	.10967	.47579	.00334	.01117	
-4.000	-.07697	.02656	.18770	.09551	.41442	-.00620	-.01038	
-2.000	-.07928	.02843	.18877	.08116	.35211	-.01370	-.02294	
.000	-.08058	.02966	.18816	.07018	.30450	-.01701	-.02847	
2.000	-.08421	.03121	.19139	.05815	.25238	-.01988	-.03329	
4.000	-.08453	.03284	.19343	.04708	.20431	-.02390	-.04002	
GRADIENT	-.00100	.00077	.00070	-.00599	-.02600	-.00208	-.00348	

RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH = 2.000	ALPHA	CYN	CBL	CY	CHEI	ELV-LI	CHEO	ELV-LO
-8.000	-.08315	.02246	.20229	.05491	.23574	.00321	.01062	
-6.000	-.07770	.02363	.19320	.04373	.18774	-.00230	-.00381	
-4.000	-.07812	.02549	.19053	.03133	.13454	-.00863	-.01429	
-2.000	-.08188	.02665	.19182	.01831	.07861	-.01465	-.02428	
.000	-.08394	.02701	.19265	.00614	.02635	-.02080	-.03446	
2.000	-.08629	.02716	.19368	-.00409	-.00763	-.02779	-.04604	
4.000	-.08559	.02707	.19150	-.01195	-.02227	-.03354	-.05557	
GRADIENT	-.00097	.00018	.00019	-.00545	-.01999	-.00315	-.00522	

DATE 29 OCT 76

TABULATED SOURCE DATA - 1A94A.

PAGE 233

LARC UPWT 1152(1A94A) OTSAT129

(MJK003) (15 OCT 76)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT
 LREF = 1290.3000 INCHES YMRP = .0000 IN. YT
 BREF = 1290.3000 INCHES ZMRP = 400.0000 IN. ZT
 SCALE = .0100

PARAMETRIC DATA

ELV-LI = .000 ELV-LO = .000
 ELV-RI = .000 ELV-RO = .000
 BETA = .000

RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH = 1.550	ALPHA	CYN	CBL	CY	CHE1	ELV-LI	CHE0	ELV-LO
-8.000	-.00433	.00237	.01432	.12357	.53561	.02018	.06751	
-6.000	-.00459	.00264	.01347	.11309	.49019	.00835	.02794	
-4.000	-.00529	.00276	.01540	.10195	.44200	.00107	.00359	
-2.000	-.00555	.00242	.01373	.09206	.39904	-.00673	-.01125	
.000	-.00643	.00249	.01483	.08034	.34831	-.01121	-.01875	
2.000	-.00741	.00237	.01659	.06931	.30043	-.01514	-.02532	
4.000	-.00716	.00205	.01646	.06178	.26777	-.01935	-.03236	
GRADIENT	-.00028	-.00007	.00025	-.00515	-.02235	-.00246	-.00430	

RN/L = 1.99 GRADIENT INTERVAL = -5.00/ 5.00

MACH = 2.000	ALPHA	CYN	CBL	CY	CHE1	ELV-LI	CHE0	ELV-LO
-8.000	-.00282	.00163	.01033	.06049	.25986	.00571	.01893	
-6.000	-.00318	.00213	.01238	.05051	.21687	.00002	.00007	
-4.000	-.00356	.00253	.01254	.04123	.17700	-.00664	-.01100	
-2.000	-.00319	.00223	.01195	.03135	.13456	-.01487	-.02462	
.000	-.00411	.00253	.01460	.01963	.08420	-.02237	-.03702	
2.000	-.00456	.00235	.01524	.00909	.03898	-.02880	-.04766	
4.000	-.00428	.00188	.01419	.00374	.01604	-.03343	-.05530	
GRADIENT	-.00014	-.00006	.00033	-.00486	-.02088	-.00338	-.00558	

LARC UPWT 1152(1A94A) OTSAT129

(MJK004) (15 OCT 76)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT
 LREF = 1290.3000 INCHES YMRP = .0000 IN. YT
 BREF = 1290.3000 INCHES ZMRP = 400.0000 IN. ZT
 SCALE = .0100

PARAMETRIC DATA

ELV-LI = .000 ELV-LO = .000
 ELV-RI = .000 ELV-RO = .000
 BETA = 4.000

RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH = 1.550	ALPHA	CYN	CBL	CY	CHEI	ELV-LI	CHEO	ELV-LO
-8.000	.07094	-.01818	-.17028	.12326	.53484	.03255	.10900	
-6.000	.06608	-.02012	-.16148	.11458	.49713	.01937	.06485	
-4.000	.06538	-.02101	-.15886	.10729	.46555	.01143	.03828	
-2.000	.06840	-.02255	-.15849	.09771	.42392	.00533	.01784	
.000	.06823	-.02359	-.15622	.08737	.37910	-.00084	-.00141	
2.000	.06901	-.02492	-.15519	.07849	.34034	-.00738	-.01234	
4.000	.06841	-.02622	-.15562	.07043	.30523	-.01267	-.02119	
GRADIENT	.00027	-.00064	.00049	-.00465	-.02021	-.00305	-.00746	

RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH = 2.000	ALPHA	CYN	CBL	CY	CHEI	ELV-LI	CHEO	ELV-LO
-8.000	.07566	-.01769	-.17451	.07022	.30152	.00862	.02855	
-6.000	.06941	-.01882	-.16389	.05955	.25572	.00302	.01000	
-4.000	.06926	-.02040	-.16058	.04935	.21188	-.00411	-.00680	
-2.000	.07189	-.02115	-.15889	.03984	.17108	-.01123	-.01860	
.000	.07285	-.02154	-.15757	.03124	.13412	-.01673	-.02772	
2.000	.07175	-.02138	-.15412	.02247	.09649	-.02238	-.03707	
4.000	.06881	-.02072	-.14899	.01640	.07044	-.02637	-.04369	
GRADIENT	-.00004	-.00004	.00140	-.00416	-.01787	-.00278	-.00461	

DATE 29 OCT 76

TABULATED SOURCE DATA - 1A94A.

PAGE 235

LARC UPWT 1152(1A94A) OTSAT129

(MJK005) (15 OCT 76)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT
 LREF = 1290.3000 INCHES YMRP = .0000 IN. YT
 BREF = 1290.3000 INCHES ZMRP = 400.0000 IN. ZT
 SCALE = .0100

PARAMETRIC DATA

ELV-LI = .000 ELV-LO = .000
 ELV-RI = .000 ELV-RO = .000
 BETA = 6.000

RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH = 1.550

ALPHA	CYN	CBL	CY	CHEI	ELV-LI	CHEO	ELV-LO
-8.000	.11279	-.03031	-.26692	.12268	.53226	.03743	.12533
-6.000	.10566	-.03234	-.25460	.11417	.49545	.02463	.08247
-4.000	.10320	-.03379	-.24815	.10676	.46356	.01701	.05698
-2.000	.10378	-.03549	-.24418	.09925	.43098	.01167	.03910
.000	.10739	-.03793	-.24626	.09059	.39332	.00595	.01993
2.000	.10794	-.03960	-.24552	.08210	.35649	-.00164	-.00275
4.000	.10589	-.04111	-.24383	.07553	.32799	-.00785	-.01315
GRADIENT	.00048	-.00094	.00037	-.00398	-.01728	-.00315	-.00911

RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH = 2.000

ALPHA	CYN	CBL	CY	CHEI	ELV-LI	CHEO	ELV-LO
-8.000	.11290	-.02859	-.26560	.07546	.32401	.01176	.03895
-6.000	.10540	-.02981	-.25374	.06441	.27664	.00537	.01780
-4.000	.10421	-.03161	-.24713	.05458	.23437	-.00899	-.00164
-2.000	.10757	-.03274	-.24657	.04619	.19832	-.00721	-.01195
.000	.10808	-.03336	-.24322	.03843	.16507	-.01387	-.02298
2.000	.11023	-.03395	-.24174	.03075	.13205	-.01972	-.03268
4.000	.10899	-.03388	-.23856	.02426	.10417	-.02306	-.03821
GRADIENT	.00061	-.00029	.00110	-.00380	-.01633	-.00283	-.00469

LARC UPWT 1152(1A94A) OTSAT129 (INVERTED)

(MJK006) (15 OCT 76)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT
 LREF = 1290.3000 INCHES YMRP = .0000 IN. YT
 BREF = 1290.3000 INCHES ZMRP = 400.0000 IN. ZT
 SCALE = .0100

PARAMETRIC DATA

ELV-LI = .000 ELV-LO = .000
 ELV-RI = .000 ELV-RO = .000
 BETA = .000

RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH = 1.550

ALPHA	CYN	CBL	CY	CHEI	ELV-LI	CHEO	ELV-LO
-4.000	.00384	-.00010	-.00203	.10204	.44119	.00118	.00395
-2.000	.00422	-.00058	-.00343	.09272	.40093	-.00627	-.01046
.000	.00288	-.00065	-.00185	.08175	.35364	-.01107	-.01849
2.000	.00134	-.00055	.00133	.06977	.30174	-.01512	-.02522
4.000	.00246	-.00164	-.00163	.06306	.27278	-.01980	-.03305
6.000	.00161	-.00154	.00043	.05113	.22120	-.02497	-.04168
8.000	.00082	-.00126	.00149	.03921	.16965	-.02880	-.04808
GRADIENT	-.00028	-.00015	.00028	-.00505	-.02180	-.00254	-.00444

RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH = 2.000

ALPHA	CYN	CBL	CY	CHEI	ELV-LI	CHEO	ELV-LO
-4.000	-.00003	.00042	.00252	.04253	.18266	-.00688	-.01140
-2.000	-.00027	.00037	.00225	.03308	.14211	-.01469	-.02436
.000	-.00076	.00037	.00375	.02327	.09998	-.02245	-.03722
2.000	-.00142	.00066	.00582	.01321	.05673	-.02897	-.04802
4.000	-.00173	.00039	.00518	.00706	.03035	-.03350	-.05553
6.000	-.00337	.00021	.00653	.00380	.01632	-.03409	-.05652
8.000	-.00381	.00017	.00756	-.00309	-.00576	-.03443	-.05706
GRADIENT	-.00023	.00001	.00044	-.00454	-.01950	-.00338	-.00560

DATE 29 OCT 76

TABULATED SOURCE DATA - 1A94A.

PAGE 237

LARC UPWT 1152(1A94A) OTSAT130

(MJK007) (15 OCT 76)

REFERENCE DATA

PARAMETRIC DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT
 LREF = 1290.3000 INCHES YMRP = .0000 IN. YT
 BREF = 1290.3000 INCHES ZMRP = 400.0000 IN. ZT
 SCALE = .0100

ELV-LI = .000 ELV-LO = .000
 ELV-RI = .000 ELV-RO = .000
 BETA = -6.000

RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH = 1.550	ALPHA	CYN	CBL	CY	CHEI	ELV-LI	CHEO	ELV-LO
-8.000	-.12615	.03610	.30192	.12160	.52677	.00629	.02102	
-6.000	-.11965	.03827	.29057	.10886	.47172	-.00138	-.00231	
-4.000	-.11895	.04023	.28512	.09472	.41063	-.01005	-.01680	
-2.000	-.11945	.04226	.28257	.08037	.34843	-.01784	-.02984	
.000	-.12146	.04412	.28223	.06680	.28961	-.02085	-.03488	
2.000	-.12314	.04561	.28367	.05483	.23775	-.02334	-.03905	
4.000	-.12335	.04720	.28276	.04336	.18800	-.02716	-.04544	
GRADIENT	-.00062	.00087	-.00018	-.00641	-.02780	-.00199	-.00332	

RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH = 2.000	ALPHA	CYN	CBL	CY	CHEI	ELV-LI	CHEO	ELV-LO
-8.000	-.11885	.03314	.29028	.05336	.22920	.00007	.00024	
-6.000	-.11265	.03373	.27954	.04056	.17424	-.00563	-.00934	
-4.000	-.11253	.03581	.27511	.02737	.11755	-.01081	-.01792	
-2.000	-.11560	.03726	.27534	.01384	.05943	-.01596	-.02645	
.000	-.11894	.03819	.27557	.00287	.01235	-.02199	-.03645	
2.000	-.12230	.03912	.27654	-.00727	-.01355	-.02927	-.04850	
4.000	-.12146	.03949	.27380	-.01490	-.02778	-.03491	-.05785	
GRADIENT	-.00123	.00046	-.00007	-.00528	-.01818	-.00307	-.00510	

DATE 29 OCT 76

TABULATED SOURCE DATA - 1A94A.

PAGE 238

LARC UPWT 1152(1A94A) OTSAT130

(MJK008) (15 OCT 76)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT
 LREF = 1290.3000 INCHES YMRP = .0000 IN. YT
 BREF = 1290.3000 INCHES ZMRP = 400.0000 IN. ZT
 SCALE = .0100

PARAMETRIC DATA

ELV-L1 = .000 ELV-LO = .000
 ELV-R1 = .000 ELV-RO = .000
 BETA = -4.000

RN/L = 2 00 GRADIENT INTERVAL = -5.00/ 5 00

MACH = 1.550	ALPHA	CYN	CBL	CY	CHE1	ELV-L1	CHE0	ELV-LO
-8 000	- .08161	.02285	.19743	.12070	.52308	.00981	.03282	
-6.000	-.07649	.02470	.18863	.10824	.46915	.00113	.00378	
-4.000	-.07602	.02610	.18550	.09501	.41176	-.00812	-.01358	
-2.000	-.07649	.02720	.18343	.08133	.35252	-.01574	-.02633	
.000	-.07811	.02850	.18324	.06934	.30051	-.01915	-.03202	
2.000	-.08167	.03002	.18709	.05721	.24798	-.02198	-.03677	
4.000	-.08220	.03170	.18871	.04675	.20259	-.02573	-.04302	
GRADIENT	-.00088	.00070	.00050	-.00603	-.02614	-.00207	-.00347	

RN/L = 2.00 GRADIENT INTERVAL = -5 00/ 5.00

MACH = 2.000	ALPHA	CYN	CBL	CY	CHE1	ELV-L1	CHE0	ELV-LO
-8.000	-.08046	.02186	.19721	.05487	.23568	.00196	.00651	
-6.000	-.07496	.02275	.18724	.04358	.18718	-.00397	-.00658	
-4 000	-.07468	.02456	.18341	.03125	.13424	-.00962	-.01595	
-2 000	-.07859	.02575	.18600	.01751	.07522	-.01533	-.02541	
.000	-.08098	.02622	.18674	.00508	.02181	-.02082	-.03450	
2.000	-.08233	.02628	.18617	-.00484	-.00902	-.02771	-.04593	
4 000	-.08106	.02598	.18338	-.01228	-.02289	-.03400	-.05635	
GRADIENT	-.00083	.00017	.00001	-.00547	-.01993	-.00306	-.00507	

DATE 29 OCT 76

TABULATED SOURCE DATA - 1A94A.

PAGE 239

LARC UPWT 1152(1A94A) OTSAT130

(MJK009) (15 OCT 76)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT
 LREF = 1290.3000 INCHES YMRP = .0000 IN. YT
 BREF = 1290.3000 INCHES ZMRP = 400.0000 IN. ZT
 SCALE = .0100

PARAMETRIC DATA

ELV-LI = .000 ELV-LO = .000
 ELV-RI = .000 ELV-RO = .000
 BETA = .000

RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH = 1.550	ALPHA	CYN	CBL	CY	CHEI	ELV-LI	CHEO	ELV-LO
-8.000	-.00318	.00234	.01234	.12523	.54244	.01702	.05690	
-6.000	-.00335	.00249	.01192	.11310	.48979	.00524	.01752	
-4.000	-.00257	.00201	.01064	.10062	.43255	-.00161	-.00267	
-2.000	-.00402	.00214	.01219	.09021	.38910	-.00959	-.01595	
.000	-.00514	.00219	.01355	.07889	.34211	-.01386	-.02320	
2.000	-.00742	.00231	.01722	.06791	.29473	-.01743	-.02919	
4.000	-.00630	.00170	.01510	.06085	.26387	-.02176	-.03641	
GRADIENT	-.00054	-.00002	.00070	-.00509	-.02159	-.00241	-.00404	

RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH = 2.000	ALPHA	CYN	CBL	CY	CHEI	ELV-LI	CHEO	ELV-LO
-8.000	-.00260	.00199	.01149	.05909	.25409	.00376	.01247	
-6.000	-.00273	.00236	.01174	.04892	.21015	-.00235	-.02390	
-4.000	-.00245	.00259	.01174	.03967	.17046	-.00824	-.01367	
-2.000	-.00305	.00260	.01288	.02972	.12765	-.01577	-.02614	
.000	-.00355	.00253	.01324	.01779	.07647	-.02357	-.03909	
2.000	-.00433	.00243	.01440	.00762	.03274	-.02960	-.04909	
4.000	-.00515	.00213	.01557	.00204	.00875	-.03428	-.05684	
GRADIENT	-.00033	-.00005	.00046	-.00487	-.02092	-.00330	-.00546	

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DATE 29 OCT 76

TABULATED SOURCE DATA - 1A94A.

PAGE 240

LARC UPWT 1152(1A94A) OTSAT130

(MJK010) (15 OCT 76)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT
 LREF = 1290.3000 INCHES YMRP = .0000 IN. YT
 BREF = 1290.3000 INCHES ZMRP = 400.0000 IN. ZT
 SCALE = .0100

PARAMETRIC DATA

ELV-LI = .000 ELV-LO = .000
 ELV-RI = .000 ELV-RO = .000
 BETA = 4.000

RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH = 1.550

ALPHA	CYN	CBL	CY	CHEI	ELV-LI	CHEO	ELV-LO
-8.000	.07073	-.01709	-.16784	.12292	.53291	.02874	.09615
-6.000	.06544	-.01904	-.15913	.11425	.49541	.01655	.05539
-4.000	.06586	-.02027	-.15568	.10568	.45812	.00810	.02711
-2.000	.06761	-.02197	-.15575	.09640	.41800	.00240	.00804
.000	.06869	-.02349	-.15565	.08701	.37729	-.00354	-.00593
2.000	.07016	-.02488	-.15622	.07907	.34284	-.00945	-.01581
4.000	.06858	-.02632	-.15534	.07038	.30530	-.01484	-.02484
GRADIENT	.00040	-.00075	.00001	-.00440	-.01904	-.00289	-.00639

RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH = 2.000

ALPHA	CYN	CBL	CY	CHEI	ELV-LI	CHEO	ELV-LO
-8.000	.07176	-.01630	-.16737	.06726	.28894	.00600	.01991
-6.000	.06696	-.01756	-.15811	.05737	.24641	.00140	.00465
-4.000	.06747	-.01939	-.15537	.04816	.20688	-.00478	-.00793
-2.000	.07047	-.02040	-.15640	.03915	.16814	-.01191	-.01974
.000	.07183	-.02088	-.15446	.03089	.13265	-.01811	-.03001
2.000	.07108	-.02098	-.15163	.02137	.09180	-.02406	-.03988
4.000	.06839	-.02044	-.14747	.01479	.06355	-.02809	-.04655
GRADIENT	.00012	-.00013	.00103	-.00423	-.01815	-.00294	-.00487

DATE 29 OCT 76

TABULATED SOURCE DATA - 1A94A.

PAGE 241

LARC UPWT 1152(1A94A) OTSAT130

(MJK011) (15 OCT 76)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT
 LREF = 1290.3000 INCHES YMRP = .0000 IN. YT
 BREF = 1290.3000 INCHES ZMRP = 400.0000 IN. ZT
 SCALE = .0100

PARAMETRIC DATA

ELV-LI = .000 ELV-LO = .000
 ELV-RI = .000 ELV-RO = .000
 BETA = 6.000

RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH = 1.550							
ALPHA	CYN	CBL	CY	CHEI	ELV-LI	CHEO	ELV-LO
-8.000	.11422	-.02961	-.26630	.12254	.53143	.03429	.11478
-6.000	.10709	-.03181	-.25430	.11391	.49396	.02130	.07127
-4.000	.10404	-.03314	-.24608	.10626	.46083	.01379	.04615
-2.000	.10379	-.03491	-.24265	.09818	.42579	.00884	.02958
.000	.10656	-.03746	-.24324	.08938	.38764	.00356	.01190
2.000	.10749	-.03924	-.24350	.08136	.35289	-.00394	-.00660
4.000	.10551	-.04064	-.24101	.07454	.32333	-.01019	-.01705
GRADIENT	.00033	-.00097	.00054	-.00401	-.01739	-.00304	-.00813

RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH = 2.000							
ALPHA	CYN	CBL	CY	CHEI	ELV-LI	CHEO	ELV-LO
-8.000	.10882	-.02742	-.25699	.07216	.31007	.00950	.03149
-6.000	.10360	-.02835	-.24863	.06287	.27018	.00393	.01303
-4.000	.10296	-.03049	-.24274	.05451	.23423	-.00202	-.00334
-2.000	.10579	-.03176	-.24180	.04649	.19977	-.00845	-.01402
.000	.10808	-.03275	-.24095	.03862	.16595	-.01505	-.02495
2.000	.10894	-.03327	-.23890	.03059	.13143	-.02115	-.03506
4.000	.10758	-.03325	-.23525	.02354	.10113	-.02484	-.04117
GRADIENT	.00062	-.00035	.00089	-.00389	-.01673	-.00292	-.00483

, LARC UPWT 1152(1A94A) OTSAT130

(MJK012) (15 OCT 76)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT
 LREF = 1290.3000 INCHES YMRP = .0000 IN. YT
 BREF = 1290.3000 INCHES ZMRP = 400.0000 IN. ZT
 SCALE = .0100

PARAMETRIC DATA

ELV-LI = .000 ELV-LO = -5.000
 ELV-RI = .000 ELV-RO = -5.000
 BETA = -6.000

RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH = 2.000

ALPHA	CYN	CBL	CY	CHEI	ELV-LI	CHEO	ELV-LO
-8.000	-.12244	.03415	.29678	.05397	.23178	.01593	-5.22720
-6.000	-.11542	.03448	.28396	.04081	.17523	.00999	-5.24691
-4.000	-.11483	.03653	.27921	.02775	.11917	.00463	-5.26466
-2.000	-.11802	.03806	.28003	.01519	.06521	-.00079	-5.28131
.000	-.12116	.03919	.28011	.00436	.01873	-.00700	-5.29160
2.000	-.12402	.03980	.28017	-.00603	-.01123	-.01340	-5.30220
4.000	-.12339	.03990	.27799	-.01413	-.02632	-.01854	-5.31070
GRADIENT	-.00116	.00042	-.00011	-.00525	-.01837	-.00295	-.00565

LARC UPWT 1152(1A94A) OTSAT130

(MJK013) (15 OCT 76)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT
 LREF = 1290.3000 INCHES YMRP = .0000 IN. YT
 BREF = 1290.3000 INCHES ZMRP = 400.0000 IN. ZT
 SCALE = .0100

PARAMETRIC DATA

ELV-LI = .000 ELV-LO = -5.000
 ELV-RI = .000 ELV-RO = -5.000
 BETA = -4.000

RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH = 2.000

ALPHA	CYN	CBL	CY	CHEI	ELV-LI	CHEO	ELV-LO
-8.000	-.08318	.02257	.20083	.05467	.23449	.01690	-5.22405
-6.000	-.07781	.02356	.19174	.04417	.18956	.01155	-5.24173
-4.000	-.07750	.02551	.18889	.03179	.13670	.00554	-5.26162
-2.000	-.08108	.02661	.19036	.01849	.07960	-.00062	-5.28103
.000	-.08284	.02695	.19021	.00641	.02759	-.00613	-5.29019
2.000	-.08348	.02694	.18890	-.00364	-.00709	-.01234	-5.30049
4.000	-.08237	.02657	.18641	-.01179	-.02199	-.01820	-5.31016
GRADIENT	-.00061	.00012	-.00032	-.00547	-.02020	-.00296	-.00583

DATE 29 OCT 76

TABULATED SOURCE DATA - 1A94A.

PAGE 243

LARC UPWT 1152(1A94A) OTSAT130

(MJK014) (15 OCT 76)

REFERENCE DATA

SREF = 2690 0000 SQ.FT. XMRP = 976.0000 IN. XT
 LREF = 1290.3000 INCHES YMRP = .0000 IN. YT
 BREF = 1290.3000 INCHES ZMRP = 400.0000 IN. ZT
 SCALE = .0100

PARAMETRIC DATA

ELV-LI = .000 ELV-LO = -5.000
 ELV-RI = .000 ELV-RO = -5.000
 BETA = .000

RN/L = 1.99 GRADIENT INTERVAL = -5.00/ 5.00

MACH = 2.000

ALPHA	CYN	CBL	CY	CHEI	ELV-LI	CHEO	ELV-LO
-8.000	-.00424	.00261	.01414	.06025	.25949	.01830	-5.21919
-6.000	-.00453	.00293	.01541	.04955	.21321	.01280	-5.23748
-4.000	-.00400	.00305	.01428	.04007	.17198	.00669	-5.25785
-2.000	-.00477	.00319	.01562	.03063	.13137	-.00121	-5.28200
.000	-.00496	.00300	.01563	.01920	.08236	-.00900	-5.29490
2.000	-.00585	.00284	.01643	.00877	.03758	-.01529	-5.30529
4.000	-.00653	.00260	.01774	.00235	.01007	-.02043	-5.31376
GRADIENT	-.00031	-.00006	.00039	-.00487	-.02088	-.00342	-.00676

LARC UPWT 1152(1A94A) OTSAT130

(MJK015) (15 OCT 76)

REFERENCE DATA

SREF = 2690 0000 SQ.FT. XMRP = 976 0000 IN. XT
 LREF = 1290.3000 INCHES YMRP = .0000 IN. YT
 BREF = 1290.3000 INCHES ZMRP = 400.0000 IN. ZT
 SCALE = .0100

PARAMETRIC DATA

ELV-LI = .000 ELV-LO = -5.000
 ELV-RI = .000 ELV-RO = -5.000
 BETA = 4.000

RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH = 2.000

ALPHA	CYN	CBL	CY	CHEI	ELV-LI	CHEO	ELV-LO
-8.000	.07167	-.01586	-.16586	.06787	.29194	.02092	-5.21055
-6.000	.06568	-.01683	-.15626	.05800	.24944	.01591	-5.22718
-4.000	.06606	-.01881	-.15374	.04884	.21007	.00959	-5.24816
-2.000	.06840	-.01972	-.15317	.03964	.17052	.00259	-5.27142
.000	.07073	-.02047	-.15342	.03130	.13461	-.00356	-5.28591
2.000	.06969	-.02040	-.14954	.02212	.09517	-.00952	-5.29580
4.000	.06727	-.01980	-.14489	.01512	.06504	-.01406	-5.30334
GRADIENT	.00019	-.00013	.00107	-.00425	-.01827	-.00297	-.00674

DATE 29 OCT 76

TABULATED SOURCE DATA - 1A94A.

PAGE 244

LARC UPWT 1152(1A94A) OTSAT130

(MJK016) (15 OCT 76)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT
 LREF = 1290.3000 INCHES YMRP = .0000 IN. YT
 BREF = 1290.3000 INCHES ZMRP = 400.0000 IN. ZT
 SCALE = .0100

PARAMETRIC DATA

ELV-LI = .000 ELV-LO = -5.000
 ELV-RI = .000 ELV-RO = -5.000
 BETA = 6.000

RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH = 2.000

ALPHA	CYN	CBL	CY	CHEI	ELV-LI	CHEO	ELV-LO
-8.000	.11027	-.02724	-.25925	.07360	.31657	.02401	-5.20031
-6.000	.10286	-.02783	-.24707	.06356	.27340	.01828	-5.21931
-4.000	.10257	-.03003	-.24298	.05490	.23623	.01233	-5.23906
-2.000	.10502	-.03126	-.24166	.04658	.20041	.00590	-5.26041
.000	.10725	-.03231	-.24066	.03901	.16786	-.00003	-5.28006
2.000	.10844	-.03296	-.23854	.03130	.13470	-.00623	-5.29035
4.000	.10753	-.03294	-.23552	.02412	.10380	-.01090	-5.29810
GRADIENT	.00067	-.00037	.00090	-.00384	-.01653	-.00293	-.00740

LARC UPWT 1152(1A94A) OTSAT130

(MJK017) (15 OCT 76)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT
 LREF = 1290.3000 INCHES YMRP = .0000 IN. YT
 BREF = 1290.3000 INCHES ZMRP = 400.0000 IN. ZT
 SCALE = .0100

PARAMETRIC DATA

ELV-LI = 10.000 ELV-LO = -5.000
 ELV-RI = 10.000 ELV-RO = -5.000
 BETA = -6.000

RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH = 1.550

ALPHA	CYN	CBL	CY	CHEI	ELV-LI	CHEO	ELV-LO
-8.000	-.12826	.03624	.30684	.01784	10.28026	.02435	-5.19864
-6.000	-.12071	.03845	.29310	.00571	10.22772	.01680	-5.22388
-4.000	-.11897	.04023	.28549	-.00690	10.19004	.00883	-5.25052
-2.000	-.12005	.04260	.28473	-.01899	10.16729	.00165	-5.27450
.000	-.12163	.04433	.28342	-.03008	10.14631	-.00205	-5.28343
2.000	-.12372	.04597	.28505	-.04015	10.12730	-.00528	-5.28885
4.000	-.12458	.04759	.28514	-.04822	10.11211	-.00940	-5.29576
GRADIENT	-.00074	.00090	-.00002	-.00519	-.00979	-.00217	-.00524

DATE 29 OCT 76

TABULATED SOURCE DATA - 1A94A.

PAGE 245

LARC UPWT 1152(1A94A) OTSAT130

(MJK017) (15 OCT 76)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT
 LREF = 1290.3000 INCHES YMRP = .0000 IN. YT
 BREF = 1290.3000 INCHES ZMRP = 400.0000 IN. ZT
 SCALE = .0100

PARAMETRIC DATA

ELV-LI = 10.000 ELV-LO = -5.000
 ELV-RI = 10.000 ELV-RO = -5.000
 BETA = -6.000

RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH = 2.000

ALPHA	CYN	CBL	CY	CHEI	ELV-LI	CHEO	ELV-LO
-8.000	-.11899	.03339	29011	-.03503	10.13782	.01784	-5.22099
-6.000	-.11297	.03407	28006	-.04640	10.11664	.01181	-5.24094
-4.000	-.11250	.03619	.27546	-.05646	10.09772	.00650	-5.25847
-2.000	-.11494	.03763	.27540	-.06615	10.07961	.00117	-5.27614
.000	-.11757	.03879	.27463	-.07452	10.06398	-.00491	-5.28814
2.000	-.12092	.03968	.27543	-.08315	10.04788	-.01151	-5.29909
4.000	-.12125	.03994	.27483	-.08816	10.03856	-.01722	-5.30855
GRADIENT	-.00117	.00048	-.00006	-.00402	-.00750	-.00301	-.00616

LARC UPWT 1152(1A94A) OTSAT130

(MJK018) (15 OCT 76)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT
 LREF = 1290.3000 INCHES YMRP = .0000 IN. YT
 BREF = 1290.3000 INCHES ZMRP = 400.0000 IN. ZT
 SCALE = .0100

PARAMETRIC DATA

ELV-LI = 10.000 ELV-LO = -5.000
 ELV-RI = 10.000 ELV-RO = -5.000
 BETA = -4.000

RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH = 1.550

ALPHA	CYN	CBL	CY	CHEI	ELV-LI	CHEO	ELV-LO
-8.000	-.08357	.02339	20340	.01975	10.28880	.02656	-5.19095
-6.000	-.07740	.02502	.19052	.00796	10.23757	.01869	-5.21737
-4.000	-.07701	.02641	.18759	-.00398	10.19551	.01014	-5.24603
-2.000	-.07804	.02771	.18648	-.01578	10.17325	.00363	-5.26783
.000	-.07959	.02899	.18643	-.02584	10.15428	-.00014	-5.28024
2.000	-.08426	.03085	.19150	-.03651	10.13418	-.00376	-5.28629
4.000	-.08388	.03234	.19204	-.04388	10.12028	-.00803	-5.29345
GRADIENT	-.00100	.00075	.00070	-.00503	-.00948	-.00219	-.00566

DATE 29 OCT 76

TABULATED SOURCE DATA - 1A94A.

PAGE 246

LARC UPWT 1152(1A94A) OTSAT130

(MJK018) (15 OCT 76)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT
 LREF = 1290.3000 INCHES YMRP = .0000 IN. YT
 BREF = 1290.3000 INCHES ZMRP = 400.0000 IN. ZT
 SCALE = .0100

PARAMETRIC DATA

ELV-LI = 10.000 ELV-LO = -5.000
 ELV-RI = 10.000 ELV-RO = -5.000
 BETA = -4.000

RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH = 2.000

ALPHA	CYN	CBL	CY	CHEI	ELV-LI	CHEO	ELV-LO
-8.000	-.08121	.02205	.19837	-.03062	10.14590	.01895	-5.21719
-6.000	-.07388	.02276	.18476	-.03996	10.12845	.01304	-5.23676
-4.000	-.07499	.02515	.18441	-.04977	10.11014	.00725	-5.25596
-2.000	-.07828	.02612	.18616	-.05006	10.09098	.00141	-5.27534
.000	-.07985	.02636	.18580	-.05911	10.07410	-.00457	-5.28757
2.000	-.08058	.02653	.18399	-.07845	10.05666	-.01095	-5.29816
4.000	-.07980	.02620	.18145	-.08360	10.04702	-.01693	-5.30808
GRADIENT	-.00060	.00013	-.00040	-.00430	-.00803	-.00304	-.00635

LARC UPWT 1152(1A94A) OTSAT130

(MJK019) (15 OCT 76)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT
 LREF = 1290.3000 INCHES YMRP = .0000 IN. YT
 BREF = 1290.3000 INCHES ZMRP = 400.0000 IN. ZT
 SCALE = .0100

PARAMETRIC DATA

ELV-LI = 10.000 ELV-LO = -5.000
 ELV-RI = 10.000 ELV-RO = -5.000
 BETA = .000

RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH = 1.550

ALPHA	CYN	CBL	CY	CHEI	ELV-LI	CHEO	ELV-LO
-8.000	-.00479	.00252	.01615	.02919	10.32959	.03297	-5.16966
-6.000	-.00471	.00258	.01505	.01844	10.28291	.02067	-5.21085
-4.000	-.00497	.00246	.01378	.00940	10.24373	.01459	-5.23121
-2.000	-.00579	.00236	.01488	-.00000	10.20300	.00776	-5.25405
.000	-.00718	.00263	.01776	-.01072	10.18285	.00342	-5.26857
2.000	-.00755	.00228	.01710	-.02003	10.16533	-.00070	-5.28117
4.000	-.00788	.00214	.01779	-.02492	10.15615	-.00568	-5.28949
GRADIENT	-.00038	-.00004	.00051	-.00443	-.01064	-.00245	-.00718

DATE 29 OCT 76

TABULATED SOURCE DATA - 1A94A.

PAGE 247

LARC UPWT 1152(1A94A) OTSAT130

(MJK019) (15 OCT 76)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT
LREF = 1290.3000 INCHES YMRP = .0000 IN. YT
BREF = 1290.3000 INCHES ZMRP = 400.0000 IN. ZT
SCALE = .0100

PARAMETRIC DATA

ELV-LI = 10.000 ELV-LO = -5.000
ELV-RI = 10.000 ELV-RO = -5.000
BETA = .000

RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH = 2.000

ALPHA	CYN	CBL	CY	CHEI	ELV-LI	CHEO	ELV-LO
-8.000	- .00112	.00180	.00942	-.01826	10.16888	.01974	-5.21441
-6.000	- .00181	.00197	.00979	-.02466	10.15691	.01413	-5.23305
-4.000	-.00272	.00249	.01207	-.03209	10.14318	.00840	-5.25215
-2.000	- .00246	.00233	.01157	-.03966	10.12914	.00102	-5.27664
.000	- .00242	.00225	.01138	-.04977	10.11026	-.00707	-5.29172
2.000	- .00389	.00222	.01388	- .05936	10.09234	- .01373	-5.30276
4.000	- .00436	.00185	.01402	-.06339	10.08484	-.01900	-5.31148
GRADIENT	- .00024	- .00007	.00031	-.00412	-.00767	-.00348	-.00724

LARC UPWT 1152(1A94A) OTSAT130

(MJK020) (15 OCT 76)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT
LREF = 1290.3000 INCHES YMRP = .0000 IN. YT
BREF = 1290.3000 INCHES ZMRP = 400.0000 IN. ZT
SCALE = .0100

PARAMETRIC DATA

ELV-LI = 10.000 ELV-LO = -5.000
ELV-RI = 10.000 ELV-RO = -5.000
BETA = 4.000

RN/L = 2.01 GRADIENT INTERVAL = -5.00/ 5.00

MACH = 1.550

ALPHA	CYN	CBL	CY	CHEI	ELV-LI	CHEO	ELV-LO
-8.000	.06921	-.01708	-.16447	.03279	10.34564	.04680	-5.12286
-6.000	.06396	-.01890	-.15538	.02531	10.31313	.03360	-5.16718
-4.000	.06365	-.01985	-.15230	.01907	10.28597	.02635	-5.19155
-2.000	.06453	-.02135	-.15041	.01217	10.25595	.02054	-5.21104
.000	.06711	-.02328	-.15265	.00520	10.22564	.01470	-5.23064
2.000	.06789	-.02427	-.15239	-.00188	10.19945	.00778	-5.25389
4.000	.06631	-.02544	-.15070	-.00916	10.18570	.00125	-5.27581
GRADIENT	.00043	-.00070	.00006	-.00353	-.01285	-.00315	-.01057

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LARC UPWT 1152(1A94A) OTSAT130

(MJK020) (15 OCT 76)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT
 LREF = 1290.3000 INCHES YMRP = .0000 IN. YT
 BREF = 1290.3000 INCHES ZMRP = 400.0000 IN. ZT
 SCALE = .0100

PARAMETRIC DATA

ELV-LI = 10.000 ELV-LO = -5.000
 ELV-RI = 10.000 ELV-RO = -5.000
 BETA = 4.000

RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH = 2.000	ALPHA	CYN	CBL	CY	CHEI	ELV-LI	CHEO	ELV-LO
-8.000	.07334	-.01666	-.16828	-.00127	10.20062	.02202	-5.20696	
-6.000	.06680	-.01793	-.15790	-.00773	10.18858	.01694	-5.22381	
-4.000	.06680	-.01976	-.15510	-.01462	10.17572	.01052	-5.24510	
-2.000	.06975	-.02077	-.15574	-.02139	10.16309	.00356	-5.26821	
.000	.07121	-.02130	-.15415	-.02688	10.15284	-.00241	-5.28400	
2.000	.07061	-.02143	-.15074	-.03397	10.13962	-.00862	-5.29429	
4.000	.06924	-.02105	-.14803	-.03990	10.12855	-.01338	-5.30219	
GRADIENT	.00031	-.00016	.00096	-.00316	-.00589	-.00300	-.00701	

LARC UPWT 1152(1A94A) OTSAT130

(MJK021) (15 OCT 76)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT
 LREF = 1290.3000 INCHES YMRP = .0000 IN. YT
 BREF = 1290.3000 INCHES ZMRP = 400.0000 IN. ZT
 SCALE = .0100

PARAMETRIC DATA

ELV-LI = 10.000 ELV-LO = -5.000
 ELV-RI = 10.000 ELV-RO = -5.000
 BETA = 6.000

RN/L = 2.01 GRADIENT INTERVAL = -5.00/ 5.00

MACH = 1.550	ALPHA	CYN	CBL	CY	CHEI	ELV-LI	CHEO	ELV-LO
-8.000	.11195	-.02953	-.26250	.03513	10.35588	.05207	-5.10514	
-6.000	.10475	-.03163	-.25078	.02697	10.32034	.04014	-5.14523	
-4.000	.10241	-.03319	-.24478	.02021	10.29089	.03143	-5.17451	
-2.000	.10178	-.03484	-.24075	.01384	10.26318	.02692	-5.18964	
.000	.10516	-.03743	-.24135	.00813	10.23836	.02195	-5.20633	
2.000	.10623	-.03897	-.24148	.00233	10.21315	.01385	-5.23353	
4.000	.10403	-.04026	-.23879	-.00314	10.19706	.00592	-5.26012	
GRADIENT	.00038	-.00091	.00056	-.00291	-.01188	-.00320	-.01076	

DATE 29 OCT 76

TABULATED SOURCE DATA - 1A94A.

PAGE 249

LARC UPWT 1152(1A94A) OTSAT130

(MJK021) (15 OCT 76)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT
 LREF = 1290.3000 INCHES YMRP = .0000 IN. YT
 BREF = 1290.3000 INCHES ZMRP = 400.0000 IN. ZT
 SCALE = .0100

PARAMETRIC DATA

ELV-LI = 10.000 ELV-LO = -5.000
 ELV-RI = 10.000 ELV-RO = -5.000
 BETA = 6.000

RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH = 2.000

ALPHA	CYN	CBL	CY	CHEI	ELV-LI	CHEO	ELV-LO
-8.000	.11031	-.02824	-.25992	.00646	10.23077	.02489	-5.19745
-6.000	.10307	-.02898	-.24818	-.00073	10.20164	.01920	-5.21632
-4.000	.10204	-.03077	-.24232	-.00734	10.18930	.01340	-5.23554
-2.000	.10477	-.03211	-.24148	-.01360	10.17762	.00704	-5.25664
.000	.10742	-.03321	-.24080	-.01891	10.16790	.00096	-5.27682
2.000	.10849	-.03391	-.23835	-.02413	10.15798	-.00528	-5.28877
4.000	.10743	-.03382	-.23500	-.02939	10.14816	-.01001	-5.29661
GRADIENT	.00072	-.00040	.00089	-.00273	-.00510	-.00296	-.00771

LARC UPWT 1152(1A94A) OTSAT130

(MJK022) (15 OCT 76)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT
 LREF = 1290.3000 INCHES YMRP = .0000 IN. YT
 BREF = 1290.3000 INCHES ZMRP = 400.0000 IN. ZT
 SCALE = .0100

PARAMETRIC DATA

ELV-LI = 10.000 ELV-LO = 2.000
 ELV-RI = 10.000 ELV-RO = 2.000
 BETA = -6.000

RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH = 1.550

ALPHA	CYN	CBL	CY	CHEI	ELV-LI	CHEO	ELV-LO
-8.000	-.12496	.03537	.30000	.01527	10.26921	-.00531	3.63811
-6.000	-.11767	.03748	.28656	.00279	10.21511	-.01321	3.62490
-4.000	-.11733	.03966	.28311	-.01034	10.18354	-.02164	3.61080
-2.000	-.11870	.04211	.28133	-.02177	10.16204	-.02846	3.59940
.000	-.11933	.04349	.27850	-.03231	10.14221	-.03100	3.59516
2.000	-.12208	.04539	.28230	-.04255	10.12292	-.03354	3.59089
4.000	-.12239	.04690	.28156	-.05067	10.10763	-.03754	3.58420
GRADIENT	-.00067	.00089	-.00011	-.00507	-.00955	-.00184	-.00309

LARC UPWT 1152(1A94A) OTSAT130

(MJK022) (15 OCT 76)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT
 LREF = 1290.3000 INCHES YMRP = .0000 IN. YT
 BREF = 1290.3000 INCHES ZMRP = 400.0000 IN. ZT
 SCALE = .0100

PARAMETRIC DATA

ELV-LI = 10.000 ELV-LO = 2.000
 ELV-RI = 10.000 ELV-RO = 2.000
 BETA = -6.000

RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH = 2.000

ALPHA	CYN	CBL	CY	CHEI	ELV-LI	CHEO	ELV-LO
-8.000	-.11731	.03293	.28747	-.03719	10.13370	-.00811	3.63356
-6.000	-.11165	.03372	.27657	-.04830	10.11301	-.01319	3.62516
-4.000	-.11133	.03593	.27283	-.05921	10.09269	-.01804	3.61712
-2.000	-.11446	.03730	.27276	-.06894	10.07459	-.02304	3.60886
.000	-.11765	.03864	.27271	-.07830	10.05709	-.02920	3.59863
2.000	-.12091	.03939	.27333	-.08733	10.04020	-.03595	3.58743
4.000	-.12098	.03983	.27224	-.09118	10.03298	-.04170	3.57788
GRADIENT	-.00129	.00049	-.00003	-.00412	-.00769	-.00301	-.00500

LARC UPWT 1152(1A94A) OTSAT130

(MJK023) (15 OCT 76)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT
 LREF = 1290.3000 INCHES YMRP = .0000 IN. YT
 BREF = 1290.3000 INCHES ZMRP = 400.0000 IN. ZT
 SCALE = .0100

PARAMETRIC DATA

ELV-LI = 10.000 ELV-LO = 2.000
 ELV-RI = 10.000 ELV-RO = 2.000
 BETA = -4.000

RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH = 1.550

ALPHA	CYN	CBL	CY	CHEI	ELV-LI	CHEO	ELV-LO
-8.000	-.08128	.02266	.19795	.01875	10.28426	-.00238	3.64302
-6.000	-.07652	.02450	.18893	.00618	10.22980	-.01051	3.62942
-4.000	-.07734	.02643	.18862	-.00667	10.19046	-.01982	3.61386
-2.000	-.07670	.02715	.18398	-.01854	10.16811	-.02646	3.60274
.000	-.07774	.02816	.18345	-.02899	10.14846	-.02951	3.59765
2.000	-.08279	.03030	.19010	-.03855	10.13048	-.03209	3.59335
4.000	-.08104	.03111	.18668	-.04641	10.11573	-.03592	3.58695
GRADIENT	-.00067	.00063	.00011	-.00497	-.00935	-.00189	-.00316

DATE 29 OCT 76

TABULATED SOURCE DATA - 1A94A.

PAGE 251

LARC UPWT 1152(1A94A) OTSAT130

(MJK023) (15 OCT 76)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT
 LREF = 1290.3000 INCHES YMRP = .0000 IN. YT
 BREF = 1290.3000 INCHES ZMRP = 400.0000 IN. ZT
 SCALE = .0100

PARAMETRIC DATA

ELV-LI = 10.000 ELV-LO = 2.000
 ELV-RI = 10.000 ELV-RO = 2.000
 BETA = -4.000

RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH = 2.000

ALPHA	CYN	CBL	CY	CHEI	ELV-LI	CHEO	ELV-LO
-8.000	- .08007	.02182	.19713	-.03260	10.14219	-.00601	3.63704
-6.000	- .07322	.02271	.18480	-.04233	10.12405	-.01157	3.62782
-4.000	- .07440	.02491	.18297	-.05251	10.10507	-.01648	3.61968
-2.000	- .07807	.02586	.18494	-.06330	10.08493	-.02210	3.61036
.000	- .07987	.02618	.18579	-.07302	10.06681	-.02748	3.60144
2.000	- .08185	.02649	.18590	-.08228	10.04959	-.03367	3.59120
4.000	- .08112	.02627	.18254	-.08637	10.04196	-.04027	3.58026
GRADIENT	- .00086	.00017	.00001	-.00433	-.00808	-.00296	-.00490

LARC UPWT 1152(1A94A) OTSAT130

(MJK024) (15 OCT 76)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT
 LREF = 1290.3000 INCHES YMRP = .0000 IN. YT
 BREF = 1290.3000 INCHES ZMRP = 400.0000 IN. ZT
 SCALE = .0100

PARAMETRIC DATA

ELV-LI = 10.000 ELV-LO = 2.000
 ELV-RI = 10.000 ELV-RO = 2.000
 BETA = .000

RN/L = 1.99 GRADIENT INTERVAL = -5.00/ 5.00

MACH = 1.550

ALPHA	CYN	CBL	CY	CHEI	ELV-LI	CHEO	ELV-LO
-8.000	- .00122	.00161	.00898	.02702	10.32034	.00588	3.66669
-6.000	- .00196	.00195	.01033	.01671	10.27588	-.00515	3.63833
-4.000	- .00241	.00172	.01044	.00591	10.22884	-.01235	3.62617
-2.000	- .00331	.00173	.01162	-.00315	10.19701	-.02015	3.61296
.000	- .00455	.00198	.01376	-.01228	10.17972	-.02376	3.60695
2.000	- .00552	.00170	.01475	-.02158	10.16232	-.02721	3.60140
4.000	- .00510	.00140	.01338	-.02614	10.15411	-.03172	3.59427
GRADIENT	- .00038	-.00003	.00045	-.00413	-.00921	-.00229	-.00377

DATE 29 OCT 76

TABULATED SOURCE DATA - 1A94A.

PAGE 252

LARC UPWT 1152(1A94A) OTSAT130

(MJK024) (15 OCT 76)

REFERENCE DATA

PARAMETRIC DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT
 LREF = 1290.3000 INCHES YMRP = .0000 IN. YT
 BREF = 1290.3000 INCHES ZMRP = 400.0000 IN. ZT
 SCALE = .0100

ELV-LI = 10.000 ELV-LO = 2.000
 ELV-RI = 10.000 ELV-RO = 2.000
 BETA = .000

RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH = 2.000

ALPHA	CYN	CBL	CY	CHEI	ELV-LI	CHEO	ELV-LO
-8.000	-.00027	.00143	.00825	-.01954	10.16651	-.00367	3.64091
-6.000	-.00122	.00171	.00951	-.02646	10.15384	-.00934	3.63158
-4.000	-.00105	.00183	.00852	-.03290	10.14182	-.01480	3.62255
-2.000	-.00188	.00197	.01031	-.04144	10.12584	-.02253	3.60971
.000	-.00292	.00210	.01242	-.05249	10.10515	-.02961	3.59794
2.000	-.00340	.00191	.01265	-.06144	10.08833	-.03576	3.58768
4.000	-.00397	.00154	.01312	-.06417	10.08320	-.04101	3.57895
GRADIENT	-.00037	-.00003	.00058	-.00413	-.00774	-.00328	-.00546

LARC UPWT 1152(1A94A) OTSAT130

(MJK025) (15 OCT 76)

REFERENCE DATA

PARAMETRIC DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT
 LREF = 1290.3000 INCHES YMRP = .0000 IN. YT
 BREF = 1290.3000 INCHES ZMRP = 400.0000 IN. ZT
 SCALE = .0100

ELV-LI = 10.000 ELV-LO = 2.000
 ELV-RI = 10.000 ELV-RO = 2.000
 BETA = 4.000

RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH = 1.550

ALPHA	CYN	CBL	CY	CHEI	ELV-LI	CHEO	ELV-LO
-8.000	.07227	-.01815	-.16911	.02981	10.33211	.01620	3.70115
-6.000	.06729	-.01988	-.16038	.02290	10.30221	.00682	3.66979
-4.000	.06589	-.02049	-.15484	.01733	10.27810	-.00017	3.64671
-2.000	.06675	-.02191	-.15377	.00992	10.24599	-.00671	3.63578
.000	.06812	-.02333	-.15307	.00227	10.21284	-.01249	3.62612
2.000	.07178	-.02548	-.15854	-.00434	10.19484	-.01862	3.61587
4.000	.06896	-.02623	-.15464	-.01130	10.18174	-.02413	3.60667
GRADIENT	.00056	-.00075	-.00022	-.00358	-.01219	-.00299	-.00500

DATE 29 OCT 76

TABULATED SOURCE DATA - 1A94A.

PAGE 253

LARC UPWT 1152(1A94A) OTSAT130

(MJK025) (15 OCT 76)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT
 LREF = 1290.3000 INCHES YMRP = .0000 IN. YT
 BREF = 1290.3000 INCHES ZMRP = 400.0000 IN. ZT
 SCALE = .0100

PARAMETRIC DATA

ELV-LI = 10.000 ELV-LO = 2.000
 ELV-RI = 10.000 ELV-RO = 2.000
 BETA = 4.000

RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH = 2.000

ALPHA	CYN	CBL	CY	CHEI	ELV-LI	CHEO	ELV-LO
-8.000	.07087	-.01680	-.16530	-.00262	10.19830	-.00076	3.64575
-6.000	.06702	-.01837	-.15873	-.00914	10.18596	-.00490	3.63888
-4.000	.06752	-.02025	-.15588	-.01621	10.17278	-.01091	3.62892
-2.000	.07040	-.02106	-.15649	-.02282	10.16045	-.01770	3.61767
.000	.07144	-.02155	-.15460	-.02906	10.14881	-.02381	3.60755
2.000	.07218	-.02189	-.15294	-.03623	10.13546	-.03016	3.59702
4.000	.07052	-.02143	-.14957	-.04144	10.12575	-.03423	3.59027
GRADIENT	.00039	-.00016	.00081	-.00319	-.00595	-.00296	-.00490

LARC UPWT 1152(1A94A) OTSAT130

(MJK026) (15 OCT 76)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT
 LREF = 1290.3000 INCHES YMRP = .0000 IN. YT
 BREF = 1290.3000 INCHES ZMRP = 400.0000 IN. ZT
 SCALE = .0100

PARAMETRIC DATA

ELV-LI = 10.000 ELV-LO = 2.000
 ELV-RI = 10.000 ELV-RO = 2.000
 BETA = 6.000

RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH = 1.550

ALPHA	CYN	CBL	CY	CHEI	ELV-LI	CHEO	ELV-LO
-8.000	.11391	-.03031	-.26522	.03188	10.34111	.01986	3.71339
-6.000	.10677	-.03209	-.25243	.02470	10.30998	.01050	3.68211
-4.000	.10458	-.03371	-.24737	.01893	10.28502	.00478	3.66297
-2.000	.10499	-.03576	-.24514	.01178	10.25404	.00014	3.64747
.000	.10715	-.03780	-.24305	.00594	10.22875	-.00562	3.63760
2.000	.10871	-.03969	-.24551	-.00001	10.20298	-.01286	3.62550
4.000	.10691	-.04111	-.24257	-.00561	10.19244	-.01960	3.61423
GRADIENT	.00042	-.00094	.00046	-.00304	-.01181	-.00309	-.00597

DATE 29 OCT 76

TABULATED SOURCE DATA - 1A94A.

PAGE 254

LARC UPWT 1152(1A94A) OTSAT130

(MJK026) (15 OCT 76)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT
 LREF = 1290.3000 INCHES YMRP = .0000 IN. YT
 BREF = 1290.3000 INCHES ZMRP = 400.0000 IN. ZT
 SCALE = .0100

PARAMETRIC DATA

ELV-LI = 10.000 ELV-LO = 2.000
 ELV-RI = 10.000 ELV-RO = 2.000
 BETA = 6.000

RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH = 2.000

ALPHA	CYN	CBL	CY	CHEI	ELV-LI	CHEO	ELV-LO
-8.000	.10910	-.02834	-.25878	.00550	10.22663	.00303	3.65706
-6.000	.10398	-.02948	-.24961	-.00139	10.20041	-.00216	3.64342
-4.000	.10355	-.03149	-.24406	-.00785	10.18836	-.00806	3.63364
-2.000	.10645	-.03273	-.24357	-.01399	10.17693	-.01433	3.62326
.000	.10820	-.03354	-.24080	-.01996	10.16579	-.02109	3.61206
2.000	.10990	-.03427	-.23933	-.02576	10.15499	-.02746	3.60150
4.000	.10948	-.03449	-.23759	-.03049	10.14618	-.03091	3.59579
GRADIENT	.00077	-.00038	.00086	-.00285	-.00532	-.00294	-.00487

LARC UPWT 1152(1A94A) OTSAT130

(MJK027) (15 OCT 76)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT
 LREF = 1290.3000 INCHES YMRP = .0000 IN. YT
 BREF = 1290.3000 INCHES ZMRP = 400.0000 IN. ZT
 SCALE = .0100

PARAMETRIC DATA

ELV-LI = 10.000 ELV-LO = -10.000
 ELV-RI = 10.000 ELV-RO = -10.000
 BETA = -6.000

RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH = 1.550

ALPHA	CYN	CBL	CY	CHEI	ELV-LI	CHEO	ELV-LO
-8.000	-.12563	.03590	.30087	.01560	10.27057	.04635	-10.30805
-6.000	-.11835	.03794	.28784	.00286	10.21538	.03673	-10.34020
-4.000	-.11794	.03996	.28345	-.00989	10.18439	.02664	-10.37389
-2.000	-.11882	.04243	.28227	-.02192	10.16174	.01924	-10.39859
.000	-.12183	.04470	.28407	-.03236	10.14207	.01489	-10.41316
2.000	-.12289	.04583	.28369	-.04235	10.12323	.01146	-10.42463
4.000	-.12485	.04773	.28597	-.05030	10.10826	.00772	-10.43715
GRADIENT	-.00089	.00095	.00032	-.00506	-.00954	-.00228	-.00763

DATE 29 OCT 76

TABULATED SOURCE DATA - 1A94A.

PAGE 255

LARC UPWT 1152(1A94A) OTSAT130

(MJK027) (15 OCT 76)

REFERENCE DATA

PARAMETRIC DATA

SREF = 2690.0000 SQ.FT XMRP = 976.0000 IN. XT
 LREF = 1290.3000 INCHES YMRP = .0000 IN. YT
 BREF = 1290.3000 INCHES ZMRP = 400.0000 IN. ZT
 SCALE = .0100

ELV-LI = 10.000 ELV-LO = -10.000
 ELV-RI = 10.000 ELV-RO = -10.000
 BETA = -6.000

RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH = 2.000

ALPHA	CYN	CBL	CY	CHEI	ELV-LI	CHEO	ELV-LO
-8.000	-.11782	.03332	.28957	-.03907	10.13015	.03192	-10.35719
-6.000	-.11239	.03402	.28001	-.05011	10.10945	.02527	-10.37913
-4.000	-.11219	.03619	.27587	-.06059	10.08985	.01953	-10.39817
-2.000	-.11471	.03756	.27399	-.06999	10.07226	.01381	-10.41713
.000	-.11867	.03873	.27634	-.07806	10.05721	.00856	-10.43459
2.000	-.12217	.03977	.27761	-.08681	10.04084	.00302	-10.45298
4.000	-.12181	.04000	.27526	-.09111	10.03302	-.00176	-10.46592
GRADIENT	-.00134	.00049	.00012	-.00389	-.00725	-.00267	-.00857

LARC UPWT 1152(1A94A) OTSAT130

(MJK028) (15 OCT 76)

REFERENCE DATA

PARAMETRIC DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT
 LREF = 1290.3000 INCHES YMRP = .0000 IN. YT
 BREF = 1290.3000 INCHES ZMRP = 400.0000 IN. ZT
 SCALE = .0100

ELV-LI = 10.000 ELV-LO = -10.000
 ELV-RI = 10.000 ELV-RO = -10.000
 BETA = -4.000

RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH = 1.550

ALPHA	CYN	CBL	CY	CHEI	ELV-LI	CHEO	ELV-LO
-8.000	-.08217	.02307	.19881	.01894	10.28513	.04806	-10.30213
-6.000	-.07793	.02520	.19231	.00627	10.23017	.03884	-10.33304
-4.000	-.07605	.02625	.18545	-.00620	10.19133	.02827	-10.36843
-2.000	-.07767	.02777	.18556	-.01907	10.16711	.02084	-10.39326
.000	-.07967	.02921	.18657	-.02872	10.14896	.01640	-10.40813
2.000	-.08271	.03028	.18852	-.03851	10.13054	.01248	-10.42127
4.000	-.08236	.03161	.18837	-.04582	10.11679	.00877	-10.43365
GRADIENT	-.00088	.00066	.00044	-.00493	-.00928	-.00237	-.00792

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LARC UPWT 1152(1A94A) OTSAT130

(MJK028) (15 OCT 76)

REFERENCE DATA

PARAMETRIC DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT
 LREF = 1290.3000 INCHES YMRP = .0000 IN. YT
 BREF = 1290.3000 INCHES ZMRP = 400.0000 IN. ZT
 SCALE = .0100

ELV-LI = 10.000 ELV-LO = -10.000
 ELV-RI = 10.000 ELV-RO = -10.000
 BETA = -4.000

RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH = 2.000

ALPHA	CYN	CBL	CY	CHEI	ELV-LI	CHEO	ELV-LO
-8.000	-.08016	.02217	.19607	-.03446	10.13879	.03275	-10.35450
-6.000	-.07442	.02314	.18691	-.04387	10.12124	.02642	-10.37546
-4.000	-.07460	.02523	.18395	-.05401	10.10236	.02055	-10.39491
-2.000	-.07833	.02626	.18602	-.06421	10.08337	.01377	-10.41740
.000	-.08094	.02681	.18774	-.07316	10.06669	.00828	-10.43556
2.000	-.08214	.02689	.18573	-.08161	10.05095	.00309	-10.45277
4.000	-.08131	.02652	.18356	-.08638	10.04203	-.00202	-10.46634
GRADIENT	-.00086	.00016	-.00005	-.00411	-.00765	-.00279	-.00891

LARC UPWT 1152(1A94A) OTSAT130

(MJK029) (15 OCT 76)

REFERENCE DATA

PARAMETRIC DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT
 LREF = 1290.3000 INCHES YMRP = .0000 IN. YT
 BREF = 1290.3000 INCHES ZMRP = 400.0000 IN. ZT
 SCALE = .0100

ELV-LI = 10.000 ELV-LO = -10.000
 ELV-RI = 10.000 ELV-RO = -10.000
 BETA = .000

RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH = 1.550

ALPHA	CYN	CBL	CY	CHEI	ELV-LI	CHEO	ELV-LO
-8.000	-.00267	.00218	.01139	.02863	10.32714	.05623	-10.27483
-6.000	-.00354	.00253	.01207	.01720	10.27744	.04322	-10.31864
-4.000	-.00456	.00256	.01337	.00701	10.23336	.03418	-10.34886
-2.000	-.00492	.00233	.01317	-.00207	10.19910	.02529	-10.37836
.000	-.00601	.00234	.01456	-.01308	10.17833	.02055	-10.39408
2.000	-.00760	.00253	.01564	-.02190	10.16169	.01647	-10.40778
4.000	-.00731	.00200	.01648	-.02653	10.15297	.01102	-10.42607
GRADIENT	-.00041	-.00005	.00048	-.00435	-.00991	-.00276	-.00919

DATE 29 OCT 76

TABULATED SOURCE DATA - 1A94A.

PAGE 257

LARC UPWT 1152(1A94A) OTSAT130

(MJK029) (15 OCT 76)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT
 LREF = 1290.3000 INCHES YMRP = .0000 IN. YT
 BREF = 1290.3000 INCHES ZMRP = 400.0000 IN. ZT
 SCALE = .0100

PARAMETRIC DATA

ELV-LI = 10.000 ELV-LO = -10.000
 ELV-RI = 10.000 ELV-RO = -10.000
 BETA = 000

RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH = 2.000

ALPHA	CYN	CBL	CY	CHEI	ELV-LI	CHEO	ELV-LO
-8.000	- .00172	.00200	.01112	-.02160	10.16254	.03153	-10.35803
-6.000	-.00183	.00196	.00986	-.02795	10.15069	.02693	-10.37337
-4.000	-.00204	.00237	.01080	-.03490	10.13784	.02057	-10.39471
-2.000	-.00309	.00264	.01316	-.04336	10.12220	.01244	-10.42178
.000	-.00426	.00271	.01473	-.05350	10.10334	.00602	-10.44307
2.000	-.00511	.00245	.01504	-.06245	10.08661	.00024	-10.46220
4.000	-.00547	.00205	.01524	-.06600	10.08000	-.00497	-10.47123
GRADIENT	-.00044	-.00004	.00054	-.00407	-.00756	-.00316	-.00967

LARC UPWT 1152(1A94A) OTSAT130

(MJK030) (15 OCT 76)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT
 LREF = 1290.3000 INCHES YMRP = .0000 IN. YT
 BREF = 1290.3000 INCHES ZMRP = 400.0000 IN. ZT
 SCALE = .0100

PARAMETRIC DATA

ELV-LI = 10.000 ELV-LO = -10.000
 ELV-RI = 10.000 ELV-RO = -10.000
 BETA = 4.000

RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH = 1.550

ALPHA	CYN	CBL	CY	CHEI	ELV-LI	CHEO	ELV-LO
-8.000	.07068	-.01757	-.16727	.03149	10.33949	.06669	-10.23995
-6.000	.06501	-.01917	-.15711	.02380	10.30613	.05516	-10.27853
-4.000	.06328	-.01981	-.15258	.01731	10.27800	.04755	-10.30401
-2.000	.06620	-.02198	-.15570	.01014	10.24693	.03990	-10.32958
.000	.06674	-.02330	-.15369	.00241	10.21346	.03152	-10.35758
2.000	.06885	-.02476	-.15519	-.00457	10.19439	.02266	-10.38720
4.000	.06769	-.02602	-.15395	-.01136	10.18163	.01610	-10.40916
GRADIENT	.00057	-.00076	-.00011	-.00360	-.01226	-.00401	-.01340

DATE 29 OCT 76

TABULATED SOURCE DATA - 1A94A.

PAGE 258

LARC UPWT 1152(1A94A) OTSAT130

(MJK030) (15 OCT 76)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT
 LREF = 1290.3000 INCHES YMRP = .0000 IN. YT
 BREF = 1290.3000 INCHES ZMRP = 400.0000 IN. ZT
 SCALE = .0100

PARAMETRIC DATA

ELV-LI = 10.000 ELV-LO = -10.000
 ELV-RI = 10.000 ELV-RO = -10.000
 BETA = 4.000

RN/L = 2 00 GRADIENT INTERVAL = -5.00/ 5.00

MACH = 2.000

ALPHA	CYN	CBL	CY	CHEI	ELV-LI	CHEO	ELV-LO
-8.000	.37206	- .01645	.15736	-.00408	10.19539	.03620	-10.34309
-6.000	.03570	- .01750	.15753	-.01018	10.18403	.02902	-10.36686
-4.000	.06597	- .01935	.15470	-.01726	10.17084	.02181	-10.39075
-2.000	.06915	- .02052	.15516	-.02378	10.15870	.01439	-10.41535
.000	.07048	- .02106	.15352	-.02909	10.14882	.00892	-10.43346
2.000	.06968	- .02110	.14949	-.03640	10.13521	.00337	-10.45186
4.000	.06819	- .02076	.14640	-.04247	10.12389	-.00063	-10.46404
GRADIENT	.00025	-.00017	.00111	-.00315	-.00587	-.00280	-.00915

LARC UPWT 1152(1A94A) OTSAT130

(MJK031) (15 OCT 76)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT
 LREF = 1290.3000 INCHES YMRP = .0000 IN. YT
 BREF = 1290.3000 INCHES ZMRP = 400.0000 IN. ZT
 SCALE = .0100

PARAMETRIC DATA

ELV-LI = 10.000 ELV-LO = -10.000
 ELV-RI = 10.000 ELV-RO = -10.000
 BETA = 6.000

RN/L = 2 00 GRADIENT INTERVAL = -5.00/ 5.00

MACH = 1.550

ALPHA	CYN	CBL	CY	CHEI	ELV-LI	CHEO	ELV-LO
-8.000	.11196	-.02967	-.26306	.03390	10.34989	.07189	-10.22265
-6.000	.10413	-.03143	-.24963	.02550	10.31348	.06115	-10.25854
-4.000	.10138	-.03292	-.24343	.01865	10.28383	.05390	-10.28275
-2.000	.10111	-.03467	-.24005	.01149	10.25279	.04713	-10.30537
.000	.10501	-.03743	-.24198	.00519	10.22551	.04043	-10.32776
2.000	.10628	-.03917	-.24331	-.00040	10.20225	.02970	-10.36365
4.000	.10504	-.04061	-.24144	-.00565	10.19237	.01978	-10.39685
GRADIENT	.00062	-.00099	.00004	-.00303	-.01167	-.00428	-.01432

DATE 29 OCT 76

TABULATED SOURCE DATA - 1A94A.

PAGE 259

LARC UPWT 1152(1A94A) OTSAT130

(MJK031) (15 OCT 76)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT
 LREF = 1290.3000 INCHES YMRP = .0000 IN. YT
 BREF = 1290.3000 INCHES ZMRP = 400.0000 IN. ZT
 SCALE = .0100

PARAMETRIC DATA

ELV-LI = 10.000 ELV-LO = -10.000
 ELV-RI = 10.000 ELV-RO = -10.000
 BETA = 6.000

RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH = 2.000

ALPHA	CYN	CBL	CY	CHE1	ELV-LI	CHE0	ELV-LO
-8.000	.10864	-.02775	-.25828	.00404	10.22033	.03928	-10.33294
-6.000	.10125	-.02816	-.24532	-.00289	10.19762	.03086	-10.36082
-4.000	.10083	-.03027	-.24046	-.00951	10.18528	.02402	-10.38344
-2.000	.10489	-.03204	-.24151	-.01569	10.17377	.01766	-10.40452
.000	.10673	-.03299	-.23927	-.02093	10.16401	.01161	-10.42456
2.000	.10726	-.03352	-.23606	-.02605	10.15447	.00593	-10.44336
4.000	.10653	-.03361	-.23362	-.03107	10.14513	.00209	-10.45608
GRADIENT	.00069	-.00041	.00096	-.00267	-.00498	-.00278	-.00921

LARC UPWT 1152(1A94A) OTSAT130

(MJK032) (15 OCT 76)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT
 LREF = 1290.3000 INCHES YMRP = .0000 IN. YT
 BREF = 1290.3000 INCHES ZMRP = 400.0000 IN. ZT
 SCALE = .0100

PARAMETRIC DATA

ELV-LI = 12.000 ELV-LO = -10.000
 ELV-RI = 12.000 ELV-RO = -10.000
 BETA = -6.000

RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH = 1.550

ALPHA	CYN	CBL	CY	CHE1	ELV-LI	CHE0	ELV-LO
-8.000	-.12613	.03610	.30198	.00670	12.11007	.04547	-10.31076
-6.000	-.11888	.03810	.28886	-.00526	12.07107	.03613	-10.34178
-4.000	-.11776	.03998	.28349	-.01751	12.04793	.02637	-10.37449
-2.000	-.11764	.04203	.27991	-.02862	12.02699	.01821	-10.40190
.000	-.12048	.04422	.28144	-.03807	12.00918	.01388	-10.41646
2.000	-.12253	.04574	.28263	-.04742	11.99169	.01104	-10.42603
4.000	-.12516	.04772	.28643	-.05549	11.97655	.00758	-10.43765
GRADIENT	-.00098	.00096	.00043	-.00474	-.00890	-.00224	-.00752

DATE 29 OCT 76

TABULATED SOURCE DATA - 1A94A.

PAGE 260

LARC UPWT 1152(1A94A) OTSAT130

(MJK033) (15 OCT 76)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT
 LREF = 1290.3000 INCHES YMRP = .0000 IN. YT
 BREF = 1290.3000 INCHES ZMRP = 400.0000 IN. ZT
 SCALE = .0100

PARAMETRIC DATA

ELV-LI = 12.000 ELV-LO = -10.000
 ELV-RI = 12.000 ELV-RO = -10.000
 BETA = -4.000

RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH = 1.550

ALPHA	CYN	CBL	CY	CHEI	ELV-LI	CHEO	ELV-LO
-8.000	-.08438	.02385	.20342	.01011	12.12479	.04725	-10.30502
-6.000	-.07691	.02483	.18926	-.00171	12.07779	.03812	-10.33546
-4.000	-.07640	.02642	.18687	-.01371	12.05520	.02757	-10.37075
-2.000	-.07799	.02790	.18692	-.02584	12.03235	.01946	-10.39789
.000	-.07971	.02929	.18689	-.03462	12.01583	.01520	-10.41213
2.000	-.08335	.03073	.19026	-.04408	11.99805	.01191	-10.42315
4.000	-.08334	.03193	.19066	-.05137	11.98430	.00838	-10.43494
GRADIENT	-.00096	.00069	.00055	-.00468	-.00881	-.00230	-.00768

LARC UPWT 1152(1A94A) OTSAT130

(MJK034) (15 OCT 76)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT
 LREF = 1290.3000 INCHES YMRP = .0000 IN. YT
 BREF = 1290.3000 INCHES ZMRP = 400.0000 IN. ZT
 SCALE = .0100

PARAMETRIC DATA

ELV-LI = 12.000 ELV-LO = -10.000
 ELV-RI = 12.000 ELV-RO = -10.000
 BETA = .000

RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH = 1.550

ALPHA	CYN	CBL	CY	CHEI	ELV-LI	CHEO	ELV-LO
-8.000	-.00345	.00235	.01313	.01836	12.16063	.05525	-10.27807
-6.000	-.00337	.00253	.01195	.00735	12.11290	.04167	-10.32344
-4.000	-.00423	.00239	.01245	-.00232	12.07682	.03228	-10.35494
-2.000	-.00550	.00253	.01476	-.01088	12.06052	.02448	-10.38108
.000	-.00601	.00232	.01435	-.01956	12.04422	.01991	-10.39642
2.000	-.00689	.00213	.01540	-.02787	12.02863	.01559	-10.41093
4.000	-.00731	.00196	.01658	-.03198	12.02093	.01047	-10.42802
GRADIENT	-.00038	-.00006	.00044	-.00382	-.00716	-.00262	-.00880

DATE 29 OCT 76

TABULATED SOURCE DATA - 1A94A.

PAGE 261

LARC UPWT 1152(1A94A) OTSAT130

(MJK035) (15 OCT 76)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT
 LREF = 1290.3000 INCHES YMRP = .0000 IN. YT
 BREF = 1290.3000 INCHES ZMRP = 400.0000 IN. ZT
 SCALE = .0100

PARAMETRIC DATA

ELV-LI = 12.000 ELV-LO = -10.000
 ELV-RI = 12.000 ELV-RO = -10.000
 BETA = 4.000

RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH = 1.550

ALPHA	CYN	CBL	CY	CHEI	ELV-LI	CHEO	ELV-LO
-8.000	.06974	-.01746	-.16678	.02204	12.17652	.06550	-10.24396
-6.000	.06487	-.01895	-.15895	.01434	12.14314	.05418	-10.28180
-4.000	.06408	-.01993	-.15457	.00806	12.11591	.04673	-10.30673
-2.000	.06646	-.02210	-.15628	.00165	12.08817	.03889	-10.33292
.000	.06832	-.02386	-.15686	-.00524	12.07115	.03055	-10.36085
2.000	.06937	-.02492	-.15565	-.01089	12.06052	.02252	-10.38771
4.000	.06790	-.02601	-.15430	-.01664	12.04970	.01573	-10.41039
GRADIENT	.00053	-.00075	.00006	-.00310	-.00800	-.00392	-.01311

LARC UPWT 1152(1A94A) OTSAT130

(MJK036) (15 OCT 76)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT
 LREF = 1290.3000 INCHES YMRP = .0000 IN. YT
 BREF = 1290.3000 INCHES ZMRP = 400.0000 IN. ZT
 SCALE = .0100

PARAMETRIC DATA

ELV-LI = 12.000 ELV-LO = -10.000
 ELV-RI = 12.000 ELV-RO = -10.000
 BETA = 6.000

RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH = 1.550

ALPHA	CYN	CBL	CY	CHEI	ELV-LI	CHEO	ELV-LO
-8.000	.11167	-.02971	-.26345	.02495	12.18917	.07044	-10.22729
-6.000	.10442	-.03142	-.25047	.01662	12.15306	.05943	-10.26417
-4.000	.10193	-.03286	-.24451	.00995	12.12413	.05199	-10.28903
-2.000	.10266	-.03511	-.24387	.00330	12.09532	.04586	-10.30953
.000	.10532	-.03746	-.24281	-.00216	12.07694	.03948	-10.33089
2.000	.10676	-.03920	-.24407	-.00646	12.06883	.02924	-10.35514
4.000	.10551	-.04061	-.24200	-.01083	12.06061	.01980	-10.39675
GRADIENT	.00056	-.00098	.00024	-.00257	-.00768	-.00405	-.01355

DATE 29 OCT 76

TABULATED SOURCE DATA - 1A94A.

PAGE 262

LARC UPWT 1152(1A94A) OTSAT130

(MJK037) (15 OCT 76)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT
 LREF = 1290.3000 INCHES YMRP = .0000 IN. YT
 BREF = 1290.3000 INCHES ZMRP = 400.0000 IN. ZT
 SCALE = .0100

PARAMETRIC DATA

ELV-L1 = 12.000 ELV-LO = -5.000
 ELV-R1 = 12.000 ELV-R0 = -5.000
 BETA = -6.000

RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH = 1.550

ALPHA	CYN	CBL	CY	CHE1	ELV-L1	CHE0	ELV-LO
-8.000	-.12549	.03591	.30143	.00692	12.11092	.02274	-5.20407
-6.000	-.11881	.03808	.28877	-.00495	12.07170	.01525	-5.22910
-4.000	-.11799	.04022	.28332	-.01746	12.04822	.00713	-5.25620
-2.000	-.11839	.04227	.28119	-.02862	12.02725	.00032	-5.27893
.000	-.12031	.04418	.28085	-.03804	12.00957	-.00287	-5.28480
2.000	-.12244	.04574	.28249	-.04745	11.99191	-.00534	-5.28891
4.000	-.12435	.04770	.28474	-.05535	11.97705	-.00952	-5.29589
GRADIENT	-.00084	.00092	.00021	-.00473	-.00888	-.00195	-.00447

RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH = 2.000

ALPHA	CYN	CBL	CY	CHE1	ELV-L1	CHE0	ELV-LO
-8.000	-.11824	.03293	.28951	-.04034	12.00580	.01720	-5.22301
-6.000	-.11230	.03389	.28040	-.05170	11.98463	.01107	-5.24333
-4.000	-.11065	.03569	.27293	-.06207	11.96533	.00566	-5.26125
-2.000	-.11489	.03773	.27553	-.07182	11.94716	.00022	-5.27928
.000	-.11783	.03873	.27522	-.08044	11.93111	-.00557	-5.28922
2.000	-.12062	.03955	.27454	-.08868	11.91576	-.01206	-5.29998
4.000	-.12083	.03994	.27357	-.09311	11.90755	-.01742	-5.30884
GRADIENT	-.00130	.00052	.00001	-.00395	-.00735	-.00292	-.00579

DATE 29 OCT 76

TABULATED SOURCE DATA - 1A94A.

PAGE 263

LARC UPWT 1152(1A94A) OTSAT130

(MJK038) (15 OCT 76)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT
 LREF = 1290.3000 INCHES YMRP = .0000 IN. YT
 BREF = 1290.3000 INCHES ZMRP = 400.0000 IN. ZT
 SCALE = .0100

PARAMETRIC DATA

ELV-LI = 12.000 ELV-LO = -5.000
 ELV-RI = 12.000 ELV-RO = -5.000
 BETA = -4.000

RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH = 1.550	ALPHA	CYN	CBL	CY	CHEI	ELV-LI	CHEO	ELV-LO
-8.000	-.08174	.02293	.19817	.00993	12.12396	.02534	-5.19542	
-6.000	-.07772	.02513	.19101	-.00157	12.07806	.01772	-5.22082	
-4.000	-.07705	.02655	.18752	-.01385	12.05499	.00922	-5.24922	
-2.000	-.07732	.02765	.18482	-.02538	12.03334	.00243	-5.27190	
.000	-.07887	.02887	.18497	-.03466	12.01590	-.00107	-5.28178	
2.000	-.08342	.03063	.19009	-.04365	11.99901	-.00416	-5.28694	
4.000	-.08388	.03234	.19232	-.05102	11.98518	-.00840	-5.29403	
GRADIENT	-.00099	.00072	.00074	-.00463	-.00870	-.00209	-.00523	

RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH = 2.000	ALPHA	CYN	CBL	CY	CHEI	ELV-LI	CHEO	ELV-LO
-8.000	-.08041	.02190	.19811	-.03679	12.01252	.01815	-5.21994	
-6.000	-.07515	.02334	.18903	-.04609	11.99505	.01189	-5.24057	
-4.000	-.07514	.02537	.18567	-.05590	11.97672	.00595	-5.26028	
-2.000	-.07940	.02655	.18870	-.06655	11.95682	.00017	-5.27944	
.000	-.08163	.02699	.18953	-.07525	11.94061	-.00538	-5.28892	
2.000	-.08293	.02709	.18792	-.08436	11.92358	-.01148	-5.29904	
4.000	-.08222	.02687	.18521	-.08930	11.91434	-.01721	-5.30854	
GRADIENT	-.00088	.00018	-.00008	-.00423	-.00790	-.00290	-.00581	

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DATE 29 OCT 76

TABULATED SOURCE DATA - 1A94A.

PAGE 264

LARC OPWT 1152(1A94A) OTSAT130

(MJK039) (15 OCT 76)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT
 LREF = 1290.3000 INCHES YMRP = .0000 IN YT
 BREF = 1290.3000 INCHES ZMRP = 400.0000 IN. ZT
 SCALE = .0100

PARAMETRIC DATA

ELV-LI = 12.000 ELV-LO = -5.000
 ELV-RI = 12.000 ELV-RO = -5.000
 BETA = .000

RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH = 1.550	ALPHA	CYN	CBL	CY	CHEI	ELV-LI	CHEO	ELV-LO
-8.000	-.00361	.00233	.01329	.01764	12.15747	.03137	-5.17505	
-6.000	-.00421	.00264	.01378	.00708	12.11177	.01892	-5.21654	
-4.000	-.00419	.00220	.01245	-.00219	12.07688	.01282	-5.23709	
-2.000	-.00474	.00214	.01298	-.01037	12.06150	.00665	-5.25775	
.000	-.00600	.00228	.01487	-.01963	12.04409	.00279	-5.27066	
2.000	-.00709	.00219	.01653	-.02753	12.02925	-.00110	-5.28183	
4.000	-.00677	.00167	.01558	-.03156	12.02166	-.00579	-5.28968	
GRADIENT	-.00038	-.00005	.00049	-.00380	-.00713	-.00225	-.00646	

RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH = 2.000	ALPHA	CYN	CBL	CY	CHEI	ELV-LI	CHEO	ELV-LO
-8.000	-.00157	.00204	.01100	-.02475	12.03486	.01905	-5.21685	
-6.000	-.00175	.00212	.01073	-.03107	12.02315	.01333	-5.23589	
-4.000	-.00180	.00238	.01026	-.03767	12.01090	.00768	-5.25461	
-2.000	-.00176	.00228	.01084	-.04469	11.99794	-.00001	-5.28002	
.000	-.00262	.00239	.01224	-.05504	11.97885	-.00813	-5.29341	
2.000	-.00417	.00236	.01430	-.06388	11.96248	-.01434	-5.30366	
4.000	-.00474	.00193	.01461	-.06717	11.95589	-.01909	-5.31160	
GRADIENT	-.00042	-.00004	.00061	-.00391	-.00727	-.00339	-.00588	

DATE 29 OCT 76

TABULATED SOURCE DATA - 1A94A.

PAGE 265

LARC UPWT 1152(1A94A) OTSAT130

(MJK040) (15 OCT 76)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT
 LREF = 1290.3000 INCHES YMRP = .0000 IN. YT
 BREF = 1290.3000 INCHES ZMRP = 400.0000 IN. ZT
 SCALE = .0100

PARAMETRIC DATA

ELV-LI = 12.000 ELV-LO = -5.000
 ELV-RI = 12.000 ELV-RO = -5.000
 BETA = 4.000

RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH = 1.550							
ALPHA	CYN	CBL	CY	CHEI	ELV-LI	CHEO	ELV-LO
-8.000	.06954	-.01709	-.16502	.02262	12.17898	.04463	-5.13083
-6.000	.06400	-.01867	-.15577	.01542	12.14773	.03216	-5.17256
-4.000	.06434	-.01997	-.15407	.00962	12.12265	.02465	-5.19767
-2.000	.06695	-.02213	-.15564	.00344	12.09587	.01914	-5.21607
.000	.06739	-.02332	-.15297	-.00427	12.07299	.01327	-5.23567
2.000	.06873	-.02443	-.15314	-.00957	12.06302	.00715	-5.25613
4.000	.06658	-.02542	-.15087	-.01620	12.05057	.00092	-5.27692
GRADIENT	.00031	-.00066	.00044	-.00323	-.00885	-.00297	-.00993

RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH = 2.000							
ALPHA	CYN	CBL	CY	CHEI	ELV-LI	CHEO	ELV-LO
-8.000	.07359	-.01683	-.17063	-.00745	12.06709	.02161	-5.20833
-6.000	.06692	-.01798	-.15919	-.01343	12.05595	.01634	-5.22583
-4.000	.06607	-.01953	-.15431	-.01992	12.04385	.00977	-5.24761
-2.000	.06874	-.02053	-.15422	-.02588	12.03272	.00277	-5.27080
.000	.07098	-.02139	-.15377	-.03131	12.02261	-.00347	-5.28574
2.000	.07167	-.02173	-.15272	-.03735	12.01134	-.00929	-5.29541
4.000	.06961	-.02124	-.14873	-.04271	12.00131	-.01362	-5.30259
GRADIENT	.00050	-.00023	.00063	-.00285	-.00532	-.00294	-.00673

DATE 29 OCT 76

TABULATED SOURCE DATA - 1A94A.

PAGE 266

LARC UPWT 1152(1A94A) OTSAT130

(MJK041) (15 OCT 76)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT
 LREF = 1290.3000 INCHES YMRP = .0000 IN. YT
 BREF = 1290.3000 INCHES ZMRP = 400.0000 IN. ZT
 SCALE = .0100

PARAMETRIC DATA

ELV-LI = 12.000 ELV-LO = -5.000
 ELV-RI = 12.000 ELV-RO = -5.000
 BETA = 6.000

RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH = 1.550	ALPHA	CYN	CBL	CY	CHEI	ELV-LI	CHEO	ELV-LO
-8.000	.11274	-.02986	-.26493	.02486	12.18856	.04947	-5.11480	
-6.000	.10518	-.03150	-.25129	.01701	12.15459	.03837	-5.15187	
-4.000	.10300	-.03322	-.24678	.01050	12.12643	.03034	-5.17868	
-2.000	.10293	-.03512	-.24307	.00430	12.09963	.02536	-5.19532	
.000	.10594	-.03757	-.24338	-.00104	12.07904	.02032	-5.21214	
2.000	.10657	-.03909	-.24265	-.00533	12.07098	.01289	-5.23693	
4.000	.10515	-.04069	-.24091	-.00975	12.06267	.00526	-5.26243	
GRADIENT	.00040	-.00094	.00061	-.00251	-.00781	-.00313	-.01046	

RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH = 2.000	ALPHA	CYN	CBL	CY	CHEI	ELV-LI	CHEO	ELV-LO
-8.000	.10866	-.02784	-.25840	-.00047	12.08012	.02360	-5.20173	
-6.000	.10194	-.02869	-.24720	-.00641	12.06905	.01796	-5.22043	
-4.000	.10140	-.03069	-.24163	-.01227	12.05811	.01189	-5.24056	
-2.000	.10512	-.03232	-.24208	-.01810	12.04723	.00551	-5.26174	
.000	.10726	-.03341	-.23999	-.02305	12.03800	-.00057	-5.28094	
2.000	.10766	-.03385	-.23655	-.02802	12.02873	-.00638	-5.29058	
4.000	.10679	-.03384	-.23377	-.03266	12.02006	-.01070	-5.29774	
GRADIENT	.00067	-.00039	.00106	-.00254	-.00473	-.00285	-.00716	

DATE 29 OCT 76

TABULATED SOURCE DATA - 1A94A.

PAGE 267

LARC UPWT 1152(1A94A) OTSAT130

(MJK042) (15 OCT 76)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT
 LREF = 1290.3000 INCHES YMRP = .0000 IN. YT
 BREF = 1290.3000 INCHES ZMRP = 400.0000 IN. ZT
 SCALE = .0100

PARAMETRIC DATA

ELV-LI = 12.000 ELV-LO = 2.000
 ELV-RI = 12.000 ELV-RO = 2.000
 BETA = -6.000

RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH = 1.550

ALPHA	CYN	CBL	CY	CHEI	ELV-LI	CHEO	ELV-LO
-8.000	-.12521	.03547	.29947	.00371	12.09707	-.00760	3.63431
-6.000	-.11883	.03788	.28792	-.00848	12.06505	-.01615	3.62000
-4.000	-.11851	.04018	.28430	-.02089	12.04165	-.02528	3.60468
-2.000	-.11956	.04255	.28256	-.03192	12.02084	-.03202	3.59337
.000	-.12040	.04403	.28063	-.04124	12.00327	-.03458	3.58907
2.000	-.12335	.04587	.28373	-.05070	11.98545	-.03714	3.58479
4.000	-.12369	.04742	.28308	-.05849	11.97080	-.04072	3.57881
GRADIENT	-.00069	.00089	-.00006	-.00470	-.00885	-.00180	-.00302

LARC UPWT 1152(1A94A) OTSAT130

(MJK043) (15 OCT 76)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT
 LREF = 1290.3000 INCHES YMRP = .0000 IN. YT
 BREF = 1290.3000 INCHES ZMRP = 400.0000 IN. ZT
 SCALE = .0100

PARAMETRIC DATA

ELV-LI = 12.000 ELV-LO = 2.000
 ELV-RI = 12.000 ELV-RO = 2.000
 BETA = -4.000

RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH = 1.550

ALPHA	CYN	CBL	CY	CHEI	ELV-LI	CHEO	ELV-LO
-8.000	.08292	.02317	.20174	.00765	12.11419	-.00435	3.63972
-6.000	-.07733	.02474	.19110	-.00430	12.07290	-.01279	3.62559
-4.000	-.07770	.02662	.18887	-.01678	12.04942	-.02295	3.60860
-2.000	-.07749	.02758	.18526	-.02890	12.02661	-.03015	3.59656
.000	-.07945	.02889	.18527	-.03811	12.00926	-.03299	3.59180
2.000	-.08191	.02998	.18701	-.04725	11.99207	-.03568	3.58730
4.000	-.08198	.03153	.18796	-.05406	11.97925	-.03920	3.58143
GRADIENT	-.00065	.00061	-.00000	-.00465	-.00874	-.00190	-.00318

DATE 29 OCT 76

TABULATED SOURCE DATA - 1A94A.

PAGE 268

LARC UPWT 1152(1A94A) OTSAT130

(MJK044) (15 OCT 76)

REFERENCE DATA

PARAMETRIC DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT
 LREF = 1290.3000 INCHES YMRP = .0000 IN. YT
 BREF = 1290.3000 INCHES ZMRP = 400.0000 IN. ZT
 SCALE = .0100

ELV-LI = 12.000 ELV-LO = 2.000
 ELV-RI = 12.000 ELV-RO = 2.000
 BETA = .000

RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH = 1.550	ALPHA	CYN	CBL	CY	CHEI	ELV-LI	CHEO	ELV-LO
-8.000	-00177	.00189	.01022	.01586	12.14970	.00314	3.65750	
-6.000	-.00262	.00239	.01135	.00592	12.10665	-.00809	3.63349	
-4.000	-.00281	.00211	.01038	-.00355	12.07434	-.01477	3.62235	
-2.000	-.00312	.00190	.01018	-.01288	12.05684	-.02348	3.60785	
.000	-.00437	.00205	.01228	-.02128	12.04112	-.02736	3.60143	
2.000	-.00583	.00201	.01421	-.02957	12.02548	-.03086	3.59550	
4.000	-.00525	.00158	.01305	-.03359	12.01786	-.03506	3.58843	
GRADIENT	-.00038	-.00005	.00047	-.00384	-.00722	-.00240	-.00401	

LARC UPWT 1152(1A94A) OTSAT130

(MJK045) (15 OCT 76)

REFERENCE DATA

PARAMETRIC DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT
 LREF = 1290.3000 INCHES YMRP = .0000 IN. YT
 BREF = 1290.3000 INCHES ZMRP = 400.0000 IN. ZT
 SCALE = .0100

ELV-LI = 12.000 ELV-LO = 2.000
 ELV-RI = 12.000 ELV-RO = 2.000
 BETA = 4.000

RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH = 1.550	ALPHA	CYN	CBL	CY	CHEI	ELV-LI	CHEO	ELV-LO
-8.000	.07083	-.01766	-.16617	.01887	12.16281	.01431	3.69487	
-6.000	.06640	-.01928	-.15844	.01233	12.13445	.00423	3.66115	
-4.000	.06597	-.02032	-.15480	.00708	12.11169	-.00350	3.64114	
-2.000	.06672	-.02181	-.15357	.00032	12.08239	-.00968	3.63081	
.000	.06928	-.02362	-.15571	-.00690	12.06801	-.01562	3.62087	
2.000	.07076	-.02502	-.15625	-.01230	12.05787	-.02229	3.60972	
4.000	.06820	-.02584	-.15293	-.01909	12.04507	-.02811	3.59999	
GRADIENT	.00042	-.00071	.00005	-.00325	-.00789	-.00309	-.00517	

DATE 29 OCT 76

TABULATED SOURCE DATA - 1A94A.

PAGE 269

LARC UPWT 1152(1A94A) OTSAT130

(MJK046) (15 OCT 76)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT
 LREF = 1290.3000 INCHES YMRP = .0000 IN. YT
 BREF = 1290.3000 INCHES ZMRP = 400.0000 IN. ZT
 SCALE = .0100

PARAMETRIC DATA

ELV-L1 = 12.000 ELV-LO = 2.000
 ELV-R1 = 12.000 ELV-RO = 2.000
 BETA = 6.000

RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH = 1.550

ALPHA	CYN	CBL	CY	CHE1	ELV-L1	CHE0	ELV-LO
-8.000	.11356	-.02986	- 26393	.02129	12.17328	.01818	3.70781
-6.000	.10661	- 03195	- 25220	.01391	12.14131	.00812	3.67415
-4.000	.10392	- 03329	- 24558	.00867	12.11860	.00128	3.65128
-2.000	.10430	- 03540	-.24365	.00206	12.08994	-.00323	3.64159
.000	.10644	- 03739	- 24192	- 00323	12.07491	-.00892	3.63207
2.000	.10868	- 03956	-.24540	- 00808	12.06579	- 01625	3.61981
4.000	.10727	- 04113	- 24454	-.01273	12.05705	- 02319	3.60819
GRADIENT	.00055	-.00099	00002	- 00265	- 00736	- 00310	-.00540

LARC UPWT 1152(1A94A) OTSAT130

(MJK047) (15 OCT 76)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT
 LREF = 1290.3000 INCHES YMRP = .0000 IN. YT
 BREF = 1290.3000 INCHES ZMRP = 400.0000 IN. ZT
 SCALE = .0100

PARAMETRIC DATA

ELV-L1 = 8.000 ELV-LO = 2.000
 ELV-R1 = 8.000 ELV-RO = 2.000
 BETA = -6.000

RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH = 1.550

ALPHA	CYN	CBL	CY	CHE1	ELV-L1	CHE0	ELV-LO
-8.000	-.12715	.03620	30358	.03492	7.81619	- 00673	3.63576
-6.000	-.11966	.03836	28997	.02307	7.76488	- 01543	3.62123
-4.000	-.11858	.04045	28536	.01093	7.71232	- 02503	3.60519
-2.000	-.12030	.04287	28415	.00002	7.66507	- 03193	3.59366
.000	-.12115	.04425	28133	- 01115	7.64404	-.03440	3.58953
2.000	-.12360	.04607	28392	-.02119	7.62517	-.03678	3.58556
4.000	-.12417	.04768	28387	-.02955	7.60946	- 04035	3.57959
GRADIENT	-.00072	.00088	-.00016	- 00511	-.01228	-.00177	-.00297

DATE 29 OCT 76

TABULATED SOURCE DATA - 1A94A.

PAGE 270

LARC UPWT 1152(1A94A) OTSAT130

(MJK048) (15 OCT 76)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT
 LREF = 1290.3000 INCHES YMRP = .0000 IN. YT
 BREF = 1290.3000 INCHES ZMRP = 400.0000 IN. ZT
 SCALE = .0100

PARAMETRIC DATA

ELV-LI = 8.000 ELV-LO = 2.000
 ELV-RI = 8.000 ELV-RO = 2.000
 BETA = -4.000

RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH = 1.550	ALPHA	CYN	CBL	CY	CHE1	ELV-LI	CHE0	ELV-LO
-8.000	- .08251	.02325	.19976	.03775	7.82835	-.00353	3.64111	
-6.000	- .07770	.02531	.19105	.02556	7.77561	-.01221	3.62661	
-4.000	- .07740	.02685	.18825	.01402	7.72568	-.02264	3.60919	
-2.000	- .07809	.02795	.18539	.00295	7.67778	-.02991	3.59707	
.000	- .07937	.02910	.18543	-.00730	7.65128	-.03278	3.59226	
2.000	- .08332	.03079	.18952	-.01743	7.63223	-.03529	3.58802	
4.000	- .08302	.03215	.18980	-.02571	7.61660	-.03883	3.58203	
GRADIENT	- .00082	.00067	.00036	-.00499	-.01319	-.00189	-.00317	

LARC UPWT 1152(1A94A) OTSAT130

(MJK049) (15 OCT 76)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT
 LREF = 1290.3000 INCHES YMRP = .0000 IN. YT
 BREF = 1290.3000 INCHES ZMRP = 400.0000 IN. ZT
 SCALE = .0100

PARAMETRIC DATA

ELV-LI = 8.000 ELV-LO = 2.000
 ELV-RI = 8.000 ELV-RO = 2.000
 BETA = .000

RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH = 1.550	ALPHA	CYN	CBL	CY	CHE1	ELV-LI	CHE0	ELV-LO
-8.000	- .00333	.00247	.01238	.04592	7.86459	.00432	3.65148	
-6.000	- .00397	.00285	.01359	.03494	7.81690	-.00750	3.63442	
-4.000	- .00391	.00261	.01245	.02433	7.77072	-.01462	3.62249	
-2.000	- .00516	.00272	.01322	.01539	7.73185	-.02306	3.60836	
.000	- .00650	.00283	.01584	.00634	7.69251	-.02717	3.60148	
2.000	- .00760	.00270	.01700	-.00271	7.65989	-.03064	3.59569	
4.000	- .00739	.00240	.01670	-.00744	7.65100	-.03478	3.58880	
GRADIENT	- .00047	-.00002	.00061	-.00408	-.01557	-.00240	-.00400	

DATE 29 OCT 76

TABULATED SOURCE DATA - 1A94A.

PAGE 271

LARC UPWT 1152(1A94A) OTSAT130

(MJK050) (15 OCT 76)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT
 LREF = 1290.3000 INCHES YMRP = .0000 IN. YT
 BREF = 1290.3000 INCHES ZMRP = 400.0000 IN. ZT
 SCALE = .0100

PARAMETRIC DATA

ELV-LI = 8.000 ELV-LO = 2.000
 ELV-RI = 8.000 ELV-RO = 2.000
 BETA = 4.000

RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH = 1.550

ALPHA	CYN	CBL	CY	CHEI	ELV-LI	CHEO	ELV-LO
-8.000	.07020	-.01719	-.16617	.04686	7.86840	.01530	3.69826
-6.000	.06432	-.01850	-.15645	.04022	7.83962	.00503	3.66384
-4.000	.06532	-.01993	-.15497	.03397	7.81246	-.00273	3.64243
-2.000	.06588	-.02124	-.15274	.02615	7.77851	-.00931	3.63140
.000	.06702	-.02278	-.15253	.01842	7.74495	-.01555	3.62095
2.000	.06941	-.02434	-.15520	.01173	7.71592	-.02187	3.61037
4.000	.06758	-.02559	-.15308	.00540	7.68844	-.02733	3.60123
GRADIENT	.00040	-.00072	.00007	-.00358	-.01553	-.00309	-.00517

LARC UPWT 1152(1A94A) OTSAT130

(MJK051) (15 OCT 76)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT
 LREF = 1290.3000 INCHES YMRP = .0000 IN. YT
 BREF = 1290.3000 INCHES ZMRP = 400.0000 IN. ZT
 SCALE = .0100

PARAMETRIC DATA

ELV-LI = 8.000 ELV-LO = 2.000
 ELV-RI = 8.000 ELV-RO = 2.000
 BETA = 6.000

RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH = 1.550

ALPHA	CYN	CBL	CY	CHEI	ELV-LI	CHEO	ELV-LO
-8.000	.11293	-.02936	-.26368	.04848	7.87544	.01913	3.71109
-6.000	.10556	-.03113	-.25154	.04149	7.84507	.00923	3.67792
-4.000	.10319	-.03285	-.24559	.03514	7.81752	.00206	3.65391
-2.000	.10329	-.03473	-.24240	.02835	7.78808	-.00219	3.64334
.000	.10559	-.03700	-.24157	.02180	7.75963	-.00838	3.63297
2.000	.10692	-.03883	-.24317	.01514	7.73072	-.01585	3.62045
4.000	.10531	-.04036	-.24109	.00977	7.70742	-.02262	3.60912
GRADIENT	.00039	-.00096	.00041	-.00320	-.01388	-.00315	-.00562

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DATE 29 OCT 76

TABULATED SOURCE DATA - 1A94A.

PAGE 272

LARC UPWT 1152(1A94A) OTSAT130

(MJK052) (15 OCT 76)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT
 LREF = 1290.3000 INCHES YMRP = .0000 IN. YT
 BREF = 1290.3000 INCHES ZMRP = 400.0000 IN. ZT
 SCALE = .0100

PARAMETRIC DATA

ELV-LI = 8.000 ELV-LO = -5.000
 ELV-RI = 8.000 ELV-RO = -5.000
 BETA = -6.000

RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH = 1.550

ALPHA	CYN	CBL	CY	CHEI	ELV-LI	CHEO	ELV-LO
-8.000	- .12703	.03636	.30490	.03671	7.82431	.02193	-5.20657
-6.000	- .11926	.03850	.29099	.02511	7.77398	.01440	-5.23177
-4.000	- .11862	.04051	.28486	.01323	7.72242	.00633	-5.25879
-2.000	- .11871	.04241	.28117	.00251	7.67591	-.00111	-5.28186
.000	- .12170	.04463	.28365	-.00889	7.64825	-.00503	-5.28843
2.000	- .12294	.04603	.28396	-.01887	7.62946	-.00814	-5.29362
4.000	- .12459	.04788	.28564	-.02740	7.61339	-.01253	-5.30099
GRADIENT	- .00081	.00092	.00022	-.00513	-.01323	-.00224	-.00481

LARC UPWT 1152(1A94A) OTSAT130

(MJK053) (15 OCT 76)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT
 LREF = 1290.3000 INCHES YMRP = .0000 IN. YT
 BREF = 1290.3000 INCHES ZMRP = 400.0000 IN. ZT
 SCALE = .0100

PARAMETRIC DATA

ELV-LI = 8.000 ELV-LO = -5.000
 ELV-RI = 8.000 ELV-RO = -5.000
 BETA = -4.000

RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH = 1.550

ALPHA	CYN	CBL	CY	CHEI	ELV-LI	CHEO	ELV-LO
-8.000	- .08320	.02344	.20143	.03911	7.83464	.02455	-5.19784
-6.000	- .07754	.02525	.19194	.02712	7.78265	.01623	-5.22565
-4.000	- .07719	.02683	.18854	.01568	7.73301	.00739	-5.25527
-2.000	- .07771	.02785	.18518	.00454	7.68472	.00037	-5.27876
.000	- .07965	.02935	.18677	-.00528	7.65505	-.00350	-5.28586
2.000	- .08303	.03072	.18974	-.01566	7.63550	-.00680	-5.29138
4.000	- .08261	.03204	.18914	-.02377	7.62023	-.01131	-5.29893
GRADIENT	- .00081	.00067	.00029	-.00496	-.01374	-.00223	-.00500

DATE 29 OCT 76

TABULATED SOURCE DATA - 1A94A.

PAGE 273

LARC UPWT 1152(1A94A) OTSAT130

(MJK054) (15 OCT 76)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT
 LREF = 1290.3000 INCHES YMRP = .0000 IN. YT
 BREF = 1290.3000 INCHES ZMRP = 400.0000 IN. ZT
 SCALE = .0100

PARAMETRIC DATA

ELV-LI = 8.000 ELV-LO = -5.000
 ELV-RI = 8.000 ELV-RO = -5.000
 BETA = .000

RN/L = 1.99 GRADIENT INTERVAL = -5.00/ 5.00

MACH = 1.550

ALPHA	CYN	CBL	CY	CHEI	ELV-LI	CHEO	ELV-LO
-8.000	-.00175	.00199	.00931	.04858	7.87557	.03249	-5.17129
-6.000	-.00294	.00242	.01132	.03688	7.82481	.01965	-5.21430
-4.000	-.00290	.00218	.01049	.02633	7.77904	.01284	-5.23707
-2.000	-.00408	.00227	.01224	.01777	7.74194	.00604	-5.25981
.000	-.00561	.00251	.01408	.00820	7.70046	.00155	-5.27483
2.000	-.00714	.00240	.01648	-.00113	7.66288	-.00273	-5.28456
4.000	-.00707	.00218	.01609	-.00601	7.65372	-.00816	-5.29363
GRADIENT	-.00057	.00001	.00077	-.00418	.71649	-.00254	-.00689

LARC UPWT 1152(1A94A) OTSAT130

(MJK055) (15 OCT 76)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT
 LREF = 1290.3000 INCHES YMRP = .0000 IN. YT
 BREF = 1290.3000 INCHES ZMRP = 400.0000 IN. ZT
 SCALE = .0100

PARAMETRIC DATA

ELV-LI = 8.000 ELV-LO = -5.000
 ELV-RI = 8.000 ELV-RO = -5.000
 BETA = 4.000

RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH = 1.550

ALPHA	CYN	CBL	CY	CHEI	ELV-LI	CHEO	ELV-LO
-8.000	.06940	-.01702	-.16473	.05004	7.88214	.04377	-5.13342
-6.000	.06413	-.01873	-.15599	.04236	7.84882	.03197	-5.17292
-4.000	.06456	-.01986	-.15383	.03562	7.81961	.02579	-5.19361
-2.000	.06590	-.02155	-.15349	.02795	7.78634	.01904	-5.21622
.000	.06741	-.02317	-.15378	.02039	7.75351	.01260	-5.23778
2.000	.06858	-.02435	-.15313	.01356	7.72386	.00514	-5.25278
4.000	.06691	-.02549	-.15184	.00743	7.69728	-.00134	-5.28225
GRADIENT	.00037	-.00070	.00022	-.00354	-.01536	-.00341	-.01119

DATE 29 OCT 76

TABULATED SOURCE DATA - 1A94A.

PAGE 274

LARC UPWT 1152(1A94A) OTSAT130

(MJK056) (15 OCT 76)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT
 LREF = 1290.3000 INCHES YMRP = .0000 IN. YT
 BREF = 1290.3000 INCHES ZMRP = 400.0000 IN. ZT
 SCALE = .0100

PARAMETRIC DATA

ELV-LI = 8.000 ELV-LO = -5.000
 ELV-RI = 8.000 ELV-RO = -5.000
 BETA = 6.000

RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH = 1.550								
ALPHA	CYN	CBL	CY	CHEI	ELV-LI	CHEO	ELV-LO	
-8.000	.11187	-.02944	-.26303	.05192	7.89043	.04928	-5.11487	
-6.000	.10507	-.03146	-.25159	.04400	7.85610	.03770	-5.15364	
-4.000	.10166	-.03255	-.24323	.03692	7.82535	.03077	-5.17686	
-2.000	.10175	-.03448	-.23960	.02951	7.79319	.02542	-5.19478	
.000	.10421	-.03662	-.23947	.02348	7.76698	.01972	-5.21388	
2.000	.10647	-.03877	-.24255	.01723	7.73985	.01130	-5.24210	
4.000	.10562	-.04056	-.24236	.01209	7.71754	.00272	-5.27088	
GRADIENT	.00063	-.00102	-.00006	-.00310	-.01345	-.00351	-.01177	

LARC UPWT 1152(1A94A) OTSAT130

(MJK057) (15 OCT 76)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT
 LREF = 1290.3000 INCHES YMRP = .0000 IN. YT
 BREF = 1290.3000 INCHES ZMRP = 400.0000 IN. ZT
 SCALE = .0100

PARAMETRIC DATA

ELV-LI = 8.000 ELV-LO = -10.000
 ELV-RI = 8.000 ELV-RO = -10.000
 BETA = -6.000

RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH = 1.550								
ALPHA	CYN	CBL	CY	CHEI	ELV-LI	CHEO	ELV-LO	
-8.000	-.12611	.04586	.30228	.03679	7.82454	.04588	-10.30946	
-6.000	-.11870	.03794	.28875	.02469	7.77206	.03726	-10.33829	
-4.000	-.11860	.04007	.28545	.01204	7.71720	.02768	-10.37037	
-2.000	-.11936	.04238	.28332	.00192	7.67332	.02052	-10.39432	
.000	-.12035	.04395	.28102	-.00916	7.64775	.01640	-10.40809	
2.000	-.12331	.04587	.28455	-.01896	7.62930	.01297	-10.41960	
4.000	-.12527	.04774	.28734	-.02777	7.61272	.00795	-10.43639	
GRADIENT	-.00086	.00094	.00025	-.00502	-.01265	-.00235	-.00787	

DATE 29 OCT 76

TABULATED SOURCE DATA - 1A94A.

PAGE 275

LARC UPWT 1152(1A94A) OTSAT130

(MJK058) (15 OCT 76)

REFERENCE DATA

SREF = 2690.0000 SQ.FT XMRP = 976.0000 IN. XT
 LREF = 1290.3000 INCHES YMRP = .0000 IN. YT
 BREF = 1290.3000 INCHES ZMRP = 400.0000 IN. ZT
 SCALE = .0100

PARAMETRIC DATA

ELV-LI = 8.000 ELV-LO = -10.000
 ELV-RI = 8.000 ELV-RO = -10.000
 BETA = -4.000

RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH = 1.550	ALPHA	CYN	CBL	CY	CHEI	ELV-LI	CHEO	ELV-LO
-8.000	-0.08258	.02288	.19956	.03979	7.83760	.04779	-10.30302	
-6.000	-.07773	.02503	.19077	.02759	7.78469	.03875	-10.33328	
-4.000	-.07556	.02603	.18568	.01587	7.73386	.02874	-10.36676	
-2.000	-.07831	.02785	.18797	.00442	7.68417	.02195	-10.38947	
.000	-.07901	.02898	.18585	-.00605	7.65359	.01773	-10.40358	
2.000	-.08274	.03016	.18849	-.01612	7.63462	.01363	-10.41732	
4.000	-.08285	.03152	.18891	-.02409	7.61959	.00898	-10.43291	
GRADIENT	-.00095	.00056	.00035	-.00502	-0.1390	-.00239	-.00801	

LARC UPWT 1152(1A94A) OTSAT130

(MJK059) (15 OCT 76)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT
 LREF = 1290.3000 INCHES YMRP = .0000 IN. YT
 BREF = 1290.3000 INCHES ZMRP = 400.0000 IN. ZT
 SCALE = .0100

PARAMETRIC DATA

ELV-LI = 8.000 ELV-LO = -10.000
 ELV-RI = 8.000 ELV-RO = -10.000
 BETA = .000

RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH = 1.550	ALPHA	CYN	CBL	CY	CHEI	ELV-LI	CHEO	ELV-LO
-8.000	-0.08251	.00204	.01068	.04949	7.88029	.05689	-10.27205	
-6.000	-0.08339	.00244	.01232	.03713	7.82634	.04248	-10.32053	
-4.000	-0.08426	.00238	.01299	.02586	7.77739	.03381	-10.34964	
-2.000	-.00615	.00281	.01595	.01678	7.73792	.02631	-10.37480	
.000	-.00613	.00242	.01568	.00765	7.69824	.02196	-10.38941	
2.000	-.00777	.00244	.01720	-.00180	7.66160	.01750	-10.40434	
4.000	-.00779	.00212	.01750	-.00719	7.65144	.01144	-10.42465	
GRADIENT	-.00043	-.00004	.00051	-.00424	-.01641	-.00268	-.00898	

DATE 29 OCT 76

TABULATED SOURCE DATA - 1A94A.

PAGE 276

LARC UPWT 1152(1A94A) OTSAT130

(MJK060) (15 OCT 76)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT
 LREF = 1290.3000 INCHES YMRP = .0000 IN. YT
 BREF = 1290.3000 INCHES ZMRP = 400.0000 IN. ZT
 SCALE = .0100

PARAMETRIC DATA

ELV-LI = 8.000 ELV-LO = -10.000
 ELV-RI = 8.000 ELV-RO = -10.000
 BETA = 4.000

RN/L = 2.01 GRADIENT INTERVAL = -5.00/ 5.00

MACH = 1.550

ALPHA	CYN	CBL	CY	CHEI	ELV-LI	CHEO	ELV-LO
-8.000	07033	-.01747	-.16651	.05160	7.88913	.06806	-10.23485
-6.000	06411	-.01884	-.15574	.04360	7.85442	.05610	-10.27493
-4.000	06353	-.01984	-.15312	.03625	7.82253	.04762	-10.30333
-2.000	06477	-.02136	-.15218	.02854	7.78904	.04009	-10.32853
.000	.06601	-.02299	-.15138	.02039	7.75363	.03213	-10.35523
2.000	06933	-.02500	-.15547	.01325	7.72260	.02356	-10.38397
4.000	06631	-.02559	-.15156	.00687	7.69489	.01635	-10.40813
GRADIENT	00051	-.00076	-.00001	-.00370	-.01609	-.00395	-.01325

LARC UPWT 1152(1A94A) OTSAT130

(MJK061) (15 OCT 76)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT
 LREF = 1290.3000 INCHES YMRP = .0000 IN. YT
 BREF = 1290.3000 INCHES ZMRP = 400.0000 IN. ZT
 SCALE = .0100

PARAMETRIC DATA

ELV-LI = 8.000 ELV-LO = -10.000
 ELV-RI = 8.000 ELV-RO = -10.000
 BETA = 6.000

RN/L = 2.01 GRADIENT INTERVAL = -5.00/ 5.00

MACH = 1.550

ALPHA	CYN	CBL	CY	CHEI	ELV-LI	CHEO	ELV-LO
-8.000	.11263	-.02984	-.26431	.05346	7.89746	.07341	-10.21667
-6.000	.10474	-.03162	-.25095	.04481	7.85986	.06219	-10.25429
-4.000	.10159	-.03293	-.24400	.03721	7.82684	.05414	-10.28130
-2.000	.10216	-.03504	-.24208	.02967	7.79404	.04718	-10.30468
.000	.10432	-.03728	-.24091	.02320	7.76594	.04034	-10.32759
2.000	.10631	-.03935	-.24378	.01661	7.73726	.02997	-10.36235
4.000	.10458	-.04057	-.24055	.01140	7.71459	.01969	-10.39690
GRADIENT	.00051	-.00098	.00026	-.00323	-.01406	-.00431	-.01444

DATE 29 OCT 76

TABULATED SOURCE DATA - 1A94A.

PAGE 277

LARC UPWT 1152(1A94A) OTSAT130

(MJKA17) (25 OCT 76)

REFERENCE DATA

PARAMETRIC DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT
 LREF = 1290.3000 INCHES YMRP = .0000 IN. YT
 BREF = 1290.3000 INCHES ZMRP = 400.0000 IN. ZT
 SCALE = .0100

BETA = -6.000 ELV-L1 = 10.000
 ELV-LO = -5.000 ELV-R1 = 10.000
 ELV-RO = -5.000

RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH = 1.550

ALPHA	ELV-L1	ELV-LO	CNW	CBW	CTW	CYN	CBL	CY	CHE1	CHEO
-8.000	10.00000	-5.00000	-.05381	-.00895	-.00580	-.12842	.03627	.30721	.01980	.02354
-6.000	10.00000	-5.00000	-.03275	-.00495	-.00496	-.12079	.03848	.29335	.00732	.01595
-4.000	10.00000	-5.00000	-.01098	-.00073	-.00369	-.11902	.04024	.28561	-.00553	.00795
-2.000	10.00000	-5.00000	.01175	.00363	-.00205	-.12011	.04260	.28481	-.01778	.00068
.000	10.00000	-5.00000	.03564	.00801	-.00013	-.12165	.04433	.28345	-.02911	-.00303
2.000	10.00000	-5.00000	.05566	.01164	.00193	-.12376	.04598	.28513	-.03933	-.00628
4.000	10.00000	-5.00000	.07231	.01480	.00327	-.12455	.04757	.28509	-.04751	-.01043
GRADIENT	.00000	.00000	.01052	.00195	.00089	-.00074	.00090	-.00004	-.00528	-.00219

LARC UPWT 1152(1A94A) OTSAT130

(MJKA18) (25 OCT 76)

REFERENCE DATA

PARAMETRIC DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT
 LREF = 1290.3000 INCHES YMRP = .0000 IN. YT
 BREF = 1290.3000 INCHES ZMRP = 400.0000 IN. ZT
 SCALE = .0100

BETA = -4.000 ELV-L1 = 10.000
 ELV-LO = -5.000 ELV-R1 = 10.000
 ELV-RO = -5.000

RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH = 1.550

ALPHA	ELV-L1	ELV-LO	CNW	CBW	CTW	CYN	CBL	CY	CHE1	CHEO
-8.000	10.00000	-5.00000	-.05022	-.00852	-.00723	-.08370	.02343	.20374	.02169	.02580
-6.000	10.00000	-5.00000	-.02857	-.00447	-.00680	-.07736	.02501	.19049	.00954	.01782
-4.000	10.00000	-5.00000	-.00592	-.00018	-.00590	-.07705	.02642	.18770	-.00264	.00922
-2.000	10.00000	-5.00000	.02022	.00471	-.00390	-.07806	.02771	.18652	-.01456	.00267
.000	10.00000	-5.00000	.04358	.00926	-.00201	-.07960	.02899	.18646	-.02480	-.00112
2.000	10.00000	-5.00000	.06561	.01305	.00095	-.08430	.03087	.19160	-.03567	-.00473
4.000	10.00000	-5.00000	.08311	.01628	.00282	-.08386	.03235	.19203	-.04315	-.00903
GRADIENT	.00000	.00000	.01117	.00206	.00111	-.00099	.00075	.00069	-.00511	-.00220

LARC UPWT 1152(1A94A) OTSAT130

(MJKA19) (25 OCT 76)

REFERENCE DATA

PARAMETRIC DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT
 LREF = 1290.3000 INCHES YMRP = .0000 IN. YT
 BREF = 1290.3000 INCHES ZMRP = 400.0000 IN. ZT
 SCALE = .0100

BETA = .000 ELV-LI = 10.000
 ELV-LO = -5.000 ELV-RI = 10.000
 ELV-RO = -5.000

RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH = 1.550	ALPHA	ELV-LI	ELV-LO	CNW	CBW	CTW	CYN	CBL	CY	CHEI	CHEO
-8.000	10.00000	-5.00000	-04194	-.00713	-.00848	-.00468	.00250	.01594	.03155	.03240	
-6.000	10.00000	-5.00000	-02114	-.00337	-.00796	-.00464	.00256	.01495	.02040	.01993	
-4.000	10.00000	-5.00000	.00374	.00101	-.00711	-.00490	.00245	.01368	.01104	.01380	
-2.000	10.00000	-5.00000	.03097	.00606	-.00586	-.00577	.00236	.01489	.00133	.00691	
.000	10.00000	-5.00000	.05711	.01079	-.00385	-.00719	.00265	.01782	-.00953	.00251	
2.000	10.00000	-5.00000	.08421	.01518	-.00031	-.00753	.00229	.01709	-.01904	-.00165	
4.000	10.00000	-5.00000	.10413	.01872	.00298	-.00789	.00216	.01783	-.02402	-.00666	
GRADIENT	.00000	.00000	.01270	.00223	.00129	-.00039	-.00003	.00053	-.00452	-.00247	

LARC UPWT 1152(1A94A) OTSAT130

(MJKA20) (25 OCT 76)

REFERENCE DATA

PARAMETRIC DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT
 LREF = 1290.3000 INCHES YMRP = .0000 IN. YT
 BREF = 1290.3000 INCHES ZMRP = 400.0000 IN. ZT
 SCALE = .0100

BETA = 4.000 ELV-LI = 10.000
 ELV-LO = -5.000 ELV-RI = 10.000
 ELV-RO = -5.000

RN/L = 2.01 GRADIENT INTERVAL = -5.00/ 5.00

MACH = 1.550	ALPHA	ELV-LI	ELV-LO	CNW	CBW	CTW	CYN	CBL	CY	CHEI	CHEO
-8.000	10.00000	-5.00000	-.03282	-.00644	-.01150	.06919	-.01707	-.16442	.03498	.04630	
-6.000	10.00000	-5.00000	-.01369	-.00302	-.01131	.06398	-.01890	-.15540	.02726	.03297	
-4.000	10.00000	-5.00000	.00886	.00115	-.01084	.06368	-.01985	-.15228	.02080	.02573	
-2.000	10.00000	-5.00000	.03861	.00634	-.00934	.06442	-.02129	-.15012	.01363	.01982	
.000	10.00000	-5.00000	.06847	.01117	-.00703	.06712	-.02327	-.15266	.00652	.01395	
2.000	10.00000	-5.00000	.09349	.01572	-.00471	.06788	-.02427	-.15237	-.00080	.00696	
4.000	10.00000	-5.00000	.11233	.01967	-.00232	.06631	-.02543	-.15068	-.00815	.00037	
GRADIENT	.00000	.00000	.01309	.00232	.00108	.00044	-.00071	.00005	-.00362	-.00318	

DATE 29 OCT 76

TABULATED SOURCE DATA - 1A94A.

PAGE 279

LARC UPWT 1152(1A94A) OTSAT130

(MJKA21) (25 OCT 76)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT
 LREF = 1290.3000 INCHES YMRP = .0000 IN. YT
 BREF = 1290.3000 INCHES ZMRP = 400.0000 IN. ZT
 SCALE = .0100

PARAMETRIC DATA

BETA = 6.000 ELV-LI = 10.000
 ELV-LO = -5.000 ELV-RI = 10.000
 ELV-RO = -5.000

RN/L = 2 01 GRADIENT INTERVAL = -5.00/ 5.00

MACH = 1.550	ALPHA	ELV-LI	ELV-LO	CNW	CBW	CTW	CYN	CBL	CY	CHEI	CHEO
-8.000	10.00000	-5.00000	-.03298	-.00620	-.01307	.11188	-.02949	-.26233	.03736	.05168	
-6.000	10.00000	-5.00000	-.01206	-.00254	-.01245	.10476	-.03164	-.25083	.02897	.03956	
-4.000	10.00000	-5.00000	.01072	.00159	-.01196	.10236	-.03316	-.24458	.02200	.03079	
-2.000	10.00000	-5.00000	.03707	.00634	-.01102	.10174	-.03481	-.24057	.01540	.02627	
.000	10.00000	-5.00000	.06864	.01158	-.00864	.10509	-.03738	-.24112	.09552	.02124	
2.000	10.00000	-5.00000	.09624	.01626	-.00598	.10624	-.03895	-.24145	.00347	.01307	
4.000	10.00000	-5.00000	.11701	.02024	-.00333	.10403	-.04025	-.23878	-.00214	.00511	
GRADIENT	.00000	.00000	.01359	.00236	.00111	.00039	-.00092	.00054	-.00301	-.00323	

LARC UPWT 1152(1A94A) OTSAT130

(MJKA22) (25 OCT 76)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT
 LREF = 1290.3000 INCHES YMRP = .0000 IN. YT
 BREF = 1290.3000 INCHES ZMRP = 400.0000 IN. ZT
 SCALE = .0100

PARAMETRIC DATA

BETA = -6.000 ELV-LI = 10.000
 ELV-LO = 2.000 ELV-RI = 10.000
 ELV-RO = 2.000

RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH = 1.550	ALPHA	ELV-LI	ELV-LO	CNW	CBW	CTW	CYN	CBL	CY	CHEI	CHEO
-8.000	10.00000	2.00000	-.05723	-.00801	-.00923	-.12614	.03556	.30252	.01805	-.00024	
-6.000	10.00000	2.00000	-.03675	-.00412	-.00835	-.11856	.03778	.28875	.00533	-.00791	
-4.000	10.00000	2.00000	-.01542	.00005	-.00698	-.11781	.03982	.28391	-.00792	-.01608	
-2.000	10.00000	2.00000	.00696	.00439	-.00534	-.11915	.04224	.28240	-.01968	-.02303	
.000	10.00000	2.00000	.03119	.00876	-.00317	-.11987	.04365	.27962	-.03064	-.02580	
2.000	10.00000	2.00000	.05086	.01232	-.00116	-.12254	.04554	.28308	-.04100	-.02850	
4.000	10.00000	2.00000	.06782	.01543	.00053	-.12287	.04704	.28232	-.04923	-.03259	
GRADIENT	.00000	.00000	.01052	.00193	.00096	-.00068	.00089	-.00012	-.00520	-.00192	

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DATE 29 OCT 76

TABULATED SOURCE DATA - 1A94A.

PAGE 280

LARC UPWT 1152(1A94A) OTSAT130

(MKA23) (25 OCT 76)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT
 LREF = 1290.3000 INCHES YMRP = .0000 IN. YT
 BREF = 1290.3000 INCHES ZMRP = 400.0000 IN. ZT
 SCALE = .0100

PARAMETRIC DATA

BETA = -4.000 ELV-LI = 10.000
 ELV-LO = 2.000 ELV-RI = 10.000
 ELV-RO = 2.000

RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH = 1.550

ALPHA	ELV-LI	ELV-LO	CNW	CBW	CTW	CYN	CBL	CY	CHEI	CHEO
-8.000	10.00000	2.00000	-.05442	-.00762	-.01047	-.08199	.02288	.19971	.02104	.00258
-6.000	10.00000	2.00000	-.03334	-.00370	-.00990	-.07667	.02463	.18912	.00834	-.00543
-4.000	10.00000	2.00000	-.01010	.00064	-.00868	-.07734	.02645	.18858	-.00450	-.01442
-2.000	10.00000	2.00000	.01521	.00542	-.00690	-.07706	.02728	.18466	-.01639	-.02099
.000	10.00000	2.00000	.03972	.01008	-.00477	-.07816	.02834	.18415	-.02698	-.02418
2.000	10.00000	2.00000	.06066	.01366	-.00176	-.08332	.03051	.19080	-.03705	-.02697
4.000	10.00000	2.00000	.07875	.01687	.00034	-.08185	.03147	.18828	-.04493	-.03099
GRADIENT	.00000	.00000	.01116	.00204	.00116	-.00076	.00066	.00028	-.00508	-.00196

LARC UPWT 1152(1A94A) OTSAT130

(MKA24) (25 OCT 76)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT
 LREF = 1290.3000 INCHES YMRP = .0000 IN. YT
 BREF = 1290.3000 INCHES ZMRP = 400.0000 IN. ZT
 SCALE = .0100

PARAMETRIC DATA

BETA = .000 ELV-LI = 10.000
 ELV-LO = 2.000 ELV-RI = 10.000
 ELV-RO = 2.000

RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH = 1.550

ALPHA	ELV-LI	ELV-LO	CNW	CBW	CTW	CYN	CBL	CY	CHEI	CHEO
-8.000	10.00000	2.00000	-.04541	-.00635	-.01167	-.00235	.00189	.01125	.02988	.01034
-6.000	10.00000	2.00000	-.02509	-.00269	-.01113	-.00277	.00212	.01181	.01912	-.00105
-4.000	10.00000	2.00000	-.00004	.00187	-.01047	-.00308	.00190	.01133	.00848	-.00777
-2.000	10.00000	2.00000	.02655	.00682	-.00923	-.00404	.00191	.01266	-.00093	-.01517
.000	10.00000	2.00000	.05174	.01141	-.00723	-.00534	.00218	.01513	-.01057	-.01895
2.000	10.00000	2.00000	.07860	.01586	-.00379	-.00604	.00183	.01541	-.02008	-.02259
4.000	10.00000	2.00000	.09893	.01943	-.00041	-.00585	.00161	.01464	-.02483	-.02719
GRADIENT	.00000	.00000	.01250	.00221	.00128	-.00038	-.00003	.00047	-.00429	-.00231

DATE 29 OCT 76

TABULATED SOURCE DATA - 1A94A.

PAGE 281

LARC UPWT 1152(1A94A) OTSAT130

(MJKA25) (25 OCT 76)

REFERENCE DATA

PARAMETRIC DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT
 LREF = 1290.3000 INCHES YMRP = .0000 IN. YT
 BREF = 1290.3000 INCHES ZMRP = 400.0000 IN. ZT
 SCALE = .0100

BETA = 4.000 ELV-L1 = 10.000
 ELV-L0 = 2.000 ELV-R1 = 10.000
 ELV-R0 = 2.000

RN/L = 2.01 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	ELV-L1	ELV-L0	CNW	CBW	CTW	CYN	CBL	CY	CHE1	CHE0
1.550	-8.000	10.00000	2.00000	-.03644	-.00553	-.01414	.07132	-.01781	-.16767	.03284	.02192
	-6.000	10.00000	2.00000	-.01706	-.00212	-.01377	.06628	-.01958	-.15892	.02558	.01133
	-4.000	10.00000	2.00000	.00531	.00203	-.01329	.06536	-.02032	-.15420	.01964	.00429
	-2.000	10.00000	2.00000	.03478	.00722	-.01184	.06599	-.02168	-.15237	.01211	-.00198
	.000	10.00000	2.00000	.06437	.01205	-.00943	.06783	-.02329	-.15277	.00449	-.00758
	2.000	10.00000	2.00000	.08934	.01661	-.00711	.07072	-.02513	-.15680	-.00245	-.01375
	4.000	10.00000	2.00000	.10863	.02052	-.00449	.06820	-.02599	-.15344	-.00960	-.01952
	GRADIENT	.00000	.00000	.01306	.00232	.00112	.00052	-.00074	-.00015	-.00365	-.00297

LARC UPWT 1152(1A94A) OTSAT130

(MJKA26) (25 OCT 76)

REFERENCE DATA

PARAMETRIC DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT
 LREF = 1290.3000 INCHES YMRP = .0000 IN. YT
 BREF = 1290.3000 INCHES ZMRP = 400.0000 IN. ZT
 SCALE = .0100

BETA = 6.000 ELV-L1 = 10.000
 ELV-L0 = 2.000 ELV-R1 = 10.000
 ELV-R0 = 2.000

RN/L = 2.01 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	ELV-L1	ELV-L0	CNW	CBW	CTW	CYN	CBL	CY	CHE1	CHE0
1.550	-8.000	10.00000	2.00000	-.03609	-.00523	-.01550	.11335	-.03006	-.26440	.03499	.02605
	-6.000	10.00000	2.00000	-.01562	-.00165	-.01483	.10627	-.03196	-.25211	.02739	.01581
	-4.000	10.00000	2.00000	.00659	.00241	-.01432	.10410	-.03358	-.24680	.02115	.00916
	-2.000	10.00000	2.00000	.03423	.00739	-.01325	.10421	-.03552	-.24404	.01404	.00475
	.000	10.00000	2.00000	.06451	.01238	-.01081	.10663	-.03768	-.24251	.00808	-.00072
	2.000	10.00000	2.00000	.09239	.01707	-.00800	.10805	-.03947	-.24429	.00189	-.00797
	4.000	10.00000	2.00000	.11350	.02101	-.00529	.10607	-.04085	-.24131	-.00382	-.01484
	GRADIENT	.00000	.00000	.01360	.00234	.00117	.00039	-.00092	.00054	-.00311	-.00304

DATE 29 OCT 76

TABULATED SOURCE DATA - 1A94A.

PAGE 282

LARC UPWT 1152(1A94A) OTSAT130

(MJKA27) (25 OCT 76)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT
 LREF = 1290.3000 INCHES YMRP = .0000 IN. YT
 BREF = 1290.3000 INCHES ZMRP = 400.0000 IN. ZT
 SCALE = .0100

PARAMETRIC DATA

BETA = -6.000 ELV-LI = 10.000
 ELV-LO = -10.000 ELV-RI = 10.000
 ELV-RO = -10.000

RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH = 1.550	ALPHA	ELV-LI	ELV-LO	CNW	CBW	CTW	CYN	CBL	CY	CHEI	CHEO
-8.000	10.00000	-10.00000	-06794	-.01065	-.00717	-.12584	.03591	30136	.01763	.04500	
-6.000	10.00000	-10.00000	-.04772	-.00672	-.00662	-.11855	.03798	.28830	.00455	.03543	
-4.000	10.00000	-10.00000	-.02530	-.00245	-.00501	-.11808	.03999	.28372	-.00840	.02538	
-2.000	10.00000	-10.00000	-.00178	.00207	-.00309	-.11901	.04247	.28265	-.02057	.01795	
.000	10.00000	-10.00000	.02181	.00642	-.00116	-.12185	.04467	.28409	-.03126	.01359	
2.000	10.00000	-10.00000	.04202	.01014	.00070	-.12301	.04585	.28391	-.04139	.01011	
4.000	10.00000	-10.00000	.05919	.01333	.00224	-.12484	.04772	.28594	-.04945	.00625	
GRADIENT	.00000	.00000	.01064	.00198	.00091	-.00088	.00094	.00028	-.00515	-.00231	

LARC UPWT 1152(1A94A) OTSAT130

(MJKA28) (25 OCT 76)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT
 LREF = 1290.3000 INCHES YMRP = .0000 IN. YT
 BREF = 1290.3000 INCHES ZMRP = 400.0000 IN. ZT
 SCALE = .0100

PARAMETRIC DATA

BETA = -4.000 ELV-LI = 10.000
 ELV-LO = -10.000 ELV-RI = 10.000
 ELV-RO = -10.000

RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH = 1.550	ALPHA	ELV-LI	ELV-LO	CNW	CBW	CTW	CYN	CBL	CY	CHEI	CHEO
-8.000	10.00000	-10.00000	-.06483	-.01025	-.00836	-.08216	.02304	19892	.02093	.04678	
-6.000	10.00000	-10.00000	-.04422	-.00627	-.00805	-.07794	.02520	.19229	.00792	.03752	
-4.000	10.00000	-10.00000	-.01923	-.00165	-.00673	-.07610	.02625	.18557	-.00475	.02700	
-2.000	10.00000	-10.00000	.00589	.00313	-.00500	-.07772	.02776	.18568	-.01767	.01961	
.000	10.00000	-10.00000	.02960	.00766	-.00288	-.07966	.02919	.18656	-.02752	.01517	
2.000	10.00000	-10.00000	.05192	.01155	-.00015	-.08285	.03032	.18876	-.03754	.01118	
4.000	10.00000	-10.00000	.07046	.01483	.00214	-.08251	.03168	.18872	-.04494	.00736	
GRADIENT	.00000	.00000	.01127	.00207	.00113	-.00090	.00067	.00047	-.00501	-.00239	

DATE 29 OCT 76

TABULATED SOURCE DATA - 1A94A.

PAGE 283

LARC UPWT 1152(1A94A) OTSAT130

(MJKA29) (25 OCT 76)

REFERENCE DATA

PARAMETRIC DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT
 LREF = 1290.3000 INCHES YMRP = .0000 IN. YT
 BREF = 1290.3000 INCHES ZMRP = 400.0000 IN. ZT
 SCALE = .0100

BETA = .000 ELV-LI = 10.000
 ELV-LO = -10.000 ELV-RI = 10.000
 ELV-RO = -10.000

RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH = 1.550	ALPHA	ELV-LI	ELV-LO	CNW	CBW	CTW	CYN	CBL	CY	CHEI	CHEO
-8.000	10.00000	-10.00000	-.05509	-.00877	-.00992	-.00275	.00219	.01153	.03102	.05503	
-6.000	10.00000	-10.00000	-.03498	-.00508	-.00952	-.00364	.00253	.01233	.01920	.04180	
-4.000	10.00000	-10.00000	-.00979	-.00054	-.00870	-.00461	.00256	.01346	.00873	.03289	
-2.000	10.00000	-10.00000	.01722	.00442	-.00735	-.00503	.00234	.01337	-.00063	.02405	
.000	10.00000	-10.00000	.04357	.00916	-.00548	-.00614	.00237	.01493	-.01180	.01928	
2.000	10.00000	-10.00000	.07025	.01360	-.00201	-.00765	.00253	.01677	-.02081	.01513	
4.000	10.00000	-10.00000	.09055	.01722	.00125	-.00740	.00203	.01668	-.02556	.00963	
GRADIENT	.00000	.00000	.01269	.00224	.00126	-.00041	-.00004	.00049	-.00444	-.00277	

LARC UPWT 1152(1A94A) OTSAT130

(MJKA30) (25 OCT 76)

REFERENCE DATA

PARAMETRIC DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT
 LREF = 1290.3000 INCHES YMRP = .0000 IN. YT
 BREF = 1290.3000 INCHES ZMRP = 400.0000 IN. ZT
 SCALE = .0100

BETA = 4.000 ELV-LI = 10.000
 ELV-LO = -10.000 ELV-RI = 10.000
 ELV-RO = -10.000

RN/L = 2.01 GRADIENT INTERVAL = -5.00/ 5.00

MACH = 1.550	ALPHA	ELV-LI	ELV-LO	CNW	CBW	CTW	CYN	CBL	CY	CHEI	CHEO
-8.000	10.00000	-10.00000	-.04729	-.00812	-.01224	.07063	-.01754	-.16708	.03388	.06593	
-6.000	10.00000	-10.00000	-.02801	-.00471	-.01183	.06488	-.01915	-.15675	.02595	.05406	
-4.000	10.00000	-10.00000	-.00498	-.00055	-.01115	.06325	-.01980	-.15244	.01923	.04629	
-2.000	10.00000	-10.00000	.02411	.00465	-.00990	.06597	-.02189	-.15505	.01180	.03868	
.000	10.00000	-10.00000	.05488	.00966	-.00743	.06665	-.02325	-.15335	.00389	.03041	
2.000	10.00000	-10.00000	.07928	.01415	-.00534	.06872	-.02470	-.15488	-.00329	.02158	
4.000	10.00000	-10.00000	.09861	.01817	-.00301	.06749	-.02595	-.15352	-.01021	.01493	
GRADIENT	.00000	.00000	.01312	.00235	.00104	.00056	-.00076	-.00010	-.00370	-.00399	

DATE 29 OCT 76

TABULATED SOURCE DATA - 1A94A.

PAGE 284

LARC UPWT 1152(1A94A) OTSAT130

(MJK31) (25 OCT 76)

REFERENCE DATA

PARAMETRIC DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT
 LREF = 1290.3000 INCHES YMRP = .0000 IN. YT
 BREF = 1290.3000 INCHES ZMRP = 400.0000 IN. ZT
 SCALE = .0100

BFTA = 6.000 ELV-LI = 10.000
 ELV-LO = -10.000 ELV-RI = 10.000
 ELV-RO = -10.000

RN/L - 2.01 GRADIENT INTERVAL = -5.00/ 5.00

MACH = 1.550	ALPHA	ELV-LI	ELV-LO	CNW	CBW	CTW	CYN	CBL	CY	CHEI	CHEO
-8.000	10.00000	-10.00000	-.04791	-.00793	-.01352	.11202	-.02966	-.26307	.03627	.07125	
-6.000	10.00000	-10.00000	-.02748	-.00436	-.01297	.10418	-.03145	-.24972	.02762	.06025	
-4.000	10.00000	-10.00000	-.00461	-.00023	-.01224	.10140	-.03293	-.24344	.02052	.05273	
-2.000	10.00000	-10.00000	.02345	.00477	-.01115	.10109	-.03466	-.23992	.01318	.04596	
.000	10.00000	-10.00000	.05398	.00984	-.00879	.10495	-.03741	-.24181	.00671	.03927	
2.000	10.00000	-10.00000	.08298	.01468	-.00591	.10624	-.03916	-.24311	.00088	.02860	
4.000	10.00000	-10.00000	.10411	.01871	-.00329	.10489	-.04057	-.24112	-.00448	.01871	
GRADIENT	.00000	.00000	.01385	.00239	.00116	.00061	-.00099	.00007	-.00312	-.00427	

LARC UPWT 1152(1A94A) OTSAT130

(MJK32) (25 OCT 76)

REFERENCE DATA

PARAMETRIC DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT
 LREF = 1290.3000 INCHES YMRP = .0000 IN. YT
 BREF = 1290.3000 INCHES ZMRP = 400.0000 IN. ZT
 SCALE = .0100

BETA = -6.000 ELV-LI = 12.000
 ELV-LO = -10.000 ELV-RI = 12.000
 ELV-RO = -10.000

RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH = 1.550	ALPHA	ELV-LI	ELV-LO	CNW	CBW	CTW	CYN	CBL	CY	CHEI	CHEO
-8.000	12.00000	-10.00000	-.06664	-.01043	-.00762	-.12606	.03608	.30190	.00719	.04410	
-6.000	12.00000	-10.00000	-.04657	-.00652	-.00710	-.11886	.03809	.28883	-.00496	.03473	
-4.000	12.00000	-10.00000	-.02504	-.00235	-.00566	-.11778	.04000	.28347	-.01733	.02496	
-2.000	12.00000	-10.00000	-.00105	.00214	-.00364	-.11772	.04206	.28006	-.02853	.01684	
.000	12.00000	-10.00000	.02248	.00648	-.00166	-.12047	.04422	.28140	-.03802	.01255	
2.000	12.00000	-10.00000	.04264	.01025	.00025	-.12251	.04574	.28260	-.04740	.00971	
4.000	12.00000	-10.00000	.05955	.01340	.00172	-.12509	.04772	.28628	-.05548	.00613	
GRADIENT	.00000	.00000	.01064	.00198	.00093	-.00097	.00096	.00041	-.00476	-.00224	

DATE 29 OCT 76

TABULATED SOURCE DATA - 1A94A.

PAGE 285

LARC UPWT 1152(1A94A) OTSAT130

(MJKA33) (25 OCT 76)

REFERENCE DATA

SREF = 2690.0000 SQ.FT XMRP = 976.0000 IN. XT
 LREF = 1290.3000 INCHES YMRP = .0000 IN. YT
 BREF = 1290.3000 INCHES ZMRP = 400.0000 IN. ZT
 SCALE = .0100

PARAMETRIC DATA

BETA = -4.000 ELV-L1 = 12.000
 ELV-LO = -10.000 ELV-R1 = 12.000
 ELV-RO = -10.000

RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH = 1.550

ALPHA	ELV-L1	ELV-LO	CNW	CBW	CTW	CYN	CBL	CY	CHE1	CHEO
-8.000	12.00000	-10.00000	-.06366	-.01006	-.00876	-.08403	.02373	.20270	.01062	.04596
-6.000	12.00000	-10.00000	-.04267	-.00606	-.00850	-.07702	.02488	.18955	-.00141	.03679
-4.000	12.00000	-10.00000	-.01858	-.00156	-.00722	-.07644	.02644	.18687	-.01352	.02627
-2.000	12.00000	-10.00000	.00690	.00320	-.00522	-.07792	.02788	.18669	-.02569	.01819
.000	12.00000	-10.00000	.03211	.00792	-.00286	-.07962	.02925	.18670	-.03456	.01394
2.000	12.00000	-10.00000	.05311	.01165	-.00024	-.08337	.03073	.19027	-.04401	.01062
4.000	12.00000	-10.00000	.07118	.01486	.00190	-.08342	.03198	.19089	-.05134	.00698
GRADIENT	.00000	.00000	.01130	.00206	.00116	-.00097	.00070	.00058	-.00470	-.00231

LARC UPWT 1152(1A94A) OTSAT130

(MJKA34) (25 OCT 76)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT
 LREF = 1290.3000 INCHES YMRP = .0000 IN. YT
 BREF = 1290.3000 INCHES ZMRP = 400.0000 IN. ZT
 SCALE = .0100

PARAMETRIC DATA

BETA = .000 ELV-L1 = 12.000
 ELV-LO = -10.000 ELV-R1 = 12.000
 ELV-RO = -10.000

RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH = 1.550

ALPHA	ELV-L1	ELV-LO	CNW	CBW	CTW	CYN	CBL	CY	CHE1	CHEO
-8.000	12.00000	-10.00000	-.05655	-.00880	-.01114	-.00341	.00234	.01302	.01913	.05397
-6.000	12.00000	-10.00000	-.03569	-.00501	-.01057	-.00346	.00254	.01212	.00789	.04028
-4.000	12.00000	-10.00000	-.01035	-.00047	-.00968	-.00426	.00238	.01252	-.00195	.03098
-2.000	12.00000	-10.00000	.01485	.00433	-.00863	-.00543	.00249	.01457	-.01056	.02318
.000	12.00000	-10.00000	.04158	.00922	-.00668	-.00603	.00232	.01443	-.01944	.01861
2.000	12.00000	-10.00000	.06895	.01362	-.00317	-.00693	.00214	.01555	-.02775	.01427
4.000	12.00000	-10.00000	.08974	.01727	.00017	-.00727	.00193	.01650	-.03188	.00914
GRADIENT	.00000	.00000	.01271	.00224	.00126	-.00038	-.00006	.00045	-.00385	-.00263

DATE 29 OCT 76

TABULATED SOURCE DATA - 1A94A.

PAGE 286

LARC UPWT 1152(1A94A) OTSAT130

(MJKA35) (25 OCT 76)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT
 LREF = 1290.3000 INCHES YMRP = .0000 IN. YT
 BREF = 1290.3000 INCHES ZMRP = 400.0000 IN. ZT
 SCALE = .0100

PARAMETRIC DATA

BETA = 4.000 ELV-L1 = 12.000
 ELV-LO = -10.000 ELV-R1 = 12.000
 ELV-RO = -10.000

RN/L = 2.01 GRADIENT INTERVAL = -5.00/ 5.00

MACH = 1.550

ALPHA	ELV-L1	ELV-LO	CNW	CBW	CTW	CYN	CBL	CY	CHE1	CHE0
-8.000	12.00000	-10.00000	-.04610	-.00795	-.01267	.06983	-.01745	-.16674	.02289	.06460
-6.000	12.00000	-10.00000	-.02653	-.00453	-.01213	.06482	-.01895	-.15858	.01508	.05299
-4.000	12.00000	-10.00000	-.00331	-.00030	-.01147	.06403	-.01992	-.15437	.00871	.04541
-2.000	12.00000	-10.00000	.02524	.00479	-.01038	.06648	-.02210	-.15621	.00217	.03763
.000	12.00000	-10.00000	.05714	.00999	-.00770	.06816	-.02379	-.15639	-.00488	.02937
2.000	12.00000	-10.00000	.08076	.01439	-.00565	.06927	-.02486	-.15538	-.01059	.02138
4.000	12.00000	-10.00000	.09999	.01837	-.00318	.06776	-.02595	-.15396	-.01647	.01459
GRADIENT	.00000	.00000	.01311	.00235	.00106	.00051	-.00074	.00008	-.00316	-.00389

LARC UPWT 1152(1A94A) OTSAT130

(MJKA35) (25 OCT 76)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT
 LREF = 1290.3000 INCHES YMRP = .0000 IN. YT
 BREF = 1290.3000 INCHES ZMRP = 400.0000 IN. ZT
 SCALE = .0100

PARAMETRIC DATA

BETA = 6.000 ELV-L1 = 12.000
 ELV-LO = -10.000 ELV-R1 = 12.000
 ELV-RO = -10.000

RN/L = 2.01 GRADIENT INTERVAL = -5.00/ 5.00

MACH = 1.550

ALPHA	ELV-L1	ELV-LO	CNW	CBW	CTW	CYN	CBL	CY	CHE1	CHE0
-8.000	12.00000	-10.00000	-.04536	-.00766	-.01364	.11174	-.02970	-.26345	.02577	.06966
-6.000	12.00000	-10.00000	-.02502	-.00411	-.01291	.10442	-.03142	-.25042	.01731	.05847
-4.000	12.00000	-10.00000	-.00298	-.00010	-.01219	.10195	-.03289	-.24457	.01051	.05087
-2.000	12.00000	-10.00000	.02523	.00493	-.01122	.10257	-.03508	-.24356	.00376	.04466
.000	12.00000	-10.00000	.05542	.00995	-.00894	.10535	-.03747	-.24282	-.00180	.03827
2.000	12.00000	-10.00000	.08432	.01480	-.00616	.10671	-.03918	-.24389	-.00617	.02811
4.000	12.00000	-10.00000	.10556	.01886	-.00346	.10544	-.04061	-.24184	-.01059	.01871
GRADIENT	.00000	.00000	.01381	.00239	.00113	.00056	-.00098	.00026	-.00261	-.00404

DATE 29 OCT 76

TABULATED SOURCE DATA - 1A94A.

PAGE 287

LARC UPWT 1152(1A94A) OTSAT130

(MJKA37) (25 OCT 76)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT
 LREF = 1290.3000 INCHES YMRP = .0000 IN. YT
 BREF = 1290.3000 INCHES ZMRP = 400.0000 IN. ZT
 SCALE = .0100

PARAMETRIC DATA

BETA = -6.000 ELV-L1 = 12.000
 ELV-L0 = -5.000 ELV-R1 = 12.000
 ELV-R0 = -5.000

RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH = 1.550	ALPHA	ELV-L1	ELV-L0	CNW	CBW	CTW	CYN	CBL	CY	CHE1	CHE0
-8.000	12.00000	-5.00000	-.06052	-.00924	-.00966	-.12569	.03592	.30183	.00752	.02206	
-6.000	12.00000	-5.00000	-.04014	-.00532	-.00894	-.11891	.03810	.28898	-.00459	.01445	
-4.000	12.00000	-5.00000	-.01835	-.00108	-.00756	-.11804	.04022	.28340	-.01725	.00624	
-2.000	12.00000	-5.00000	.00489	.00335	-.00568	-.11846	.04229	.28132	-.02854	-.00064	
.000	12.00000	-5.00000	.02735	.00760	-.00397	-.12032	.04417	.28085	-.03805	-.00383	
2.000	12.00000	-5.00000	.04684	.01119	-.00217	-.12244	.04574	.28248	-.04752	-.00631	
4.000	12.00000	-5.00000	.06392	.01444	-.00064	-.12431	.04770	.28465	-.05546	-.01053	
GRADIENT	.00000	.00000	.01032	.00194	.00087	-.00083	.00092	.00018	-.00477	-.00196	

LARC UPWT 1152(1A94A) OTSAT130

(MJKA38) (25 OCT 76)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT
 LREF = 1290.3000 INCHES YMRP = .0000 IN. YT
 BREF = 1290.3000 INCHES ZMRP = 400.0000 IN. ZT
 SCALE = .0100

PARAMETRIC DATA

BETA = -4.000 ELV-L1 = 12.000
 ELV-L0 = -5.000 ELV-R1 = 12.000
 ELV-R0 = -5.000

RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH = 1.550	ALPHA	ELV-L1	ELV-L0	CNW	CBW	CTW	CYN	CBL	CY	CHE1	CHE0
-8.000	12.00000	-5.00000	-.05755	-.00881	-.01107	-.08185	.02295	.19954	.01051	.02470	
-6.000	12.00000	-5.00000	-.03710	-.00494	-.01068	-.07772	.02513	.19102	-.00123	.01696	
-4.000	12.00000	-5.00000	-.01373	-.00048	-.00956	-.07708	.02664	.18755	-.01362	.00837	
-2.000	12.00000	-5.00000	.01194	.00432	-.00764	-.07732	.02764	.18480	-.02526	.00152	
.000	12.00000	-5.00000	.03613	.00899	-.00550	-.07886	.02886	.18493	-.03465	-.00200	
2.000	12.00000	-5.00000	.05665	.01262	-.00285	-.08340	.03062	.19004	-.04369	-.00511	
4.000	12.00000	-5.00000	.07390	.01578	-.00091	-.08387	.03234	.19232	-.05109	-.00940	
GRADIENT	.00000	.00000	.01100	.00204	.00110	-.00098	.00072	.00074	-.00467	-.00211	

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LARC UPWT 1152(1A94A) OTSAT130

(MJKA39) (25 OCT 76)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT
 LREF = 1290.3000 INCHES YMRP = .0000 IN. YT
 BREF = 1290.3000 INCHES ZMRP = 400.0000 IN. ZT
 SCALE = .0100

PARAMETRIC DATA

BETA = .000 ELV-LI = 12.000
 ELV-LO = -5.000 ELV-RI = 12.000
 ELV-RO = -5.000

RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH = 1.550

ALPHA	ELV-LI	ELV-LO	CNW	CBW	CTW	CYN	CBL	CY	CHEI	CHEO
-8.000	12.00000	-5.00000	-.05087	-.00765	-.01258	-.00376	.00236	.01367	.01856	.03083
-6.000	12.00000	-5.00000	-.03088	-.00393	-.01214	-.00427	.00263	.01393	.00773	.01821
-4.000	12.00000	-5.00000	-.00597	.00056	-.01152	-.00423	.00221	.01252	-.00172	.01209
-2.000	12.00000	-5.00000	.01999	.00547	-.01045	-.00475	.00214	.01299	-.01006	.00582
.000	12.00000	-5.00000	.04654	.01029	-.00851	-.00602	.00228	.01495	-.01947	.00191
2.000	12.00000	-5.00000	.07392	.01477	-.00485	-.00709	.00219	.01655	-.02744	-.00201
4.000	12.00000	-5.00000	.09414	.01836	-.00166	-.00675	.00167	.01555	-.03152	-.00672
GRADIENT	.00000	.00000	.01271	.00224	.00127	-.00037	-.00005	.00048	-.00385	-.00227

LARC UPWT 1152(1A94A) OTSAT130

(MJKA40) (25 OCT 76)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT
 LREF = 1290.3000 INCHES YMRP = .0000 IN. YT
 BREF = 1290.3000 INCHES ZMRP = 400.0000 IN. ZT
 SCALE = .0100

PARAMETRIC DATA

BETA = 4.000 ELV-LI = 12.000
 ELV-LO = -5.000 ELV-RI = 12.000
 ELV-RO = -5.000

RN/L = 2.01 GRADIENT INTERVAL = -5.00/ 5.00

MACH = 1.550

ALPHA	ELV-LI	ELV-LO	CNW	CBW	CTW	CYN	CBL	CY	CHEI	CHEO
-8.000	12.00000	-5.00000	-.04071	-.00679	-.01540	.06950	-.01709	-.16493	.02355	.04444
-6.000	12.00000	-5.00000	-.02137	-.00338	-.01487	.06399	-.01869	-.15568	.01617	.03166
-4.000	12.00000	-5.00000	.00176	.00085	-.01448	.06430	-.01997	-.15391	.01023	.02403
-2.000	12.00000	-5.00000	.03097	.00600	-.01309	.06680	-.02208	-.15524	.00387	.01846
.000	12.00000	-5.00000	.06178	.01109	-.01060	.06737	-.02331	-.15287	-.00390	.01257
2.000	12.00000	-5.00000	.08473	.01542	-.00871	.06870	-.02442	-.15307	-.00933	.00639
4.000	12.00000	-5.00000	.10256	.01932	-.00659	.06655	-.02541	-.15078	-.01606	.00011
GRADIENT	.00000	.00000	.01277	.00232	.00101	.00032	-.00066	.00042	-.00329	-.00300

DATE 29 OCT 76

TABULATED SOURCE DATA - 1A94A.

PAGE 289

LARC UPWT 1152(1A94A) OTSAT130

(MJK41) (25 OCT 76)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT
LREF = 1290.3000 INCHES YMRP = .0000 IN. YT
BREF = 1290.3000 INCHES ZMRP = 400.0000 IN. ZT
SCALE = 0100

PARAMETRIC DATA

BETA = 6.000 ELV-LI = 12.000
ELV-LO = -5.000 ELV-RI = 12.000
ELV-RO = -5.000

RN/L = 2.01 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	ELV-LI	ELV-LO	CNW	CBW	CTW	CYN	CBL	CY	CHEI	CHEO
1.550	-8.000	12.00000	-5.00000	-.03943	-.00636	-.01666	.11266	-.02982	-.26464	.02585	.04940
	-6.000	12.00000	-5.00000	-.02000	-.00288	-.01616	.10515	-.03152	-.25125	.01779	.03800
	-4.000	12.00000	-5.00000	.00205	.00115	-.01559	.10299	-.03324	-.24667	.01113	.02975
	-2.000	12.00000	-5.00000	.02995	.00619	-.01458	.10288	-.03511	-.24292	.00480	.02475
	.000	12.00000	-5.00000	.06120	.01130	-.01201	.10592	-.03757	-.24329	-.00066	.01966
	2.000	12.00000	-5.00000	.08938	.01599	-.00917	.10667	-.03909	-.24257	-.00506	.01219
	4.000	12.00000	-5.00000	.10920	.01988	-.00683	.10511	-.04067	-.24081	-.00956	.00452
	GRADIENT	.00000	.00000	.01369	.00236	.00115	.00040	-.00094	.00060	-.00256	-.00315

LARC UPWT 1152(1A94A) OTSAT130

(MJK42) (25 OCT 76)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT
LREF = 1290.3000 INCHES YMRP = .0000 IN. YT
BREF = 1290.3000 INCHES ZMRP = 400.0000 IN. ZT
SCALE = 0100

PARAMETRIC DATA

BETA = -6.000 ELV-LI = 12.000
ELV-LO = 2.000 ELV-RI = 12.000
ELV-RO = 2.000

RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	ELV-LI	ELV-LO	CNW	CBW	CTW	CYN	CBL	CY	CHEI	CHEO
1.550	-8.000	12.00000	2.00000	-.05781	-.00793	-.01053	-.12527	.03555	.30004	.00511	-.00234
	-6.000	12.00000	2.00000	-.03819	-.00412	-.00982	-.11881	.03792	.28813	-.00722	-.01053
	-4.000	12.00000	2.00000	-.01619	.00006	-.00821	-.11846	.04020	.28405	-.01984	-.01935
	-2.000	12.00000	2.00000	.00721	.00455	-.00623	-.11943	.04250	.28236	-.03104	-.02608
	.000	12.00000	2.00000	.02980	.00877	-.00437	-.12036	.04406	.28063	-.04047	-.02874
	2.000	12.00000	2.00000	.05009	.01240	-.00229	-.12314	.04584	.28343	-.04999	-.03130
	4.000	12.00000	2.00000	.06684	.01552	-.00063	-.12379	.04750	.28333	-.05784	-.03513
	GRADIENT	.00000	.00000	.01045	.00194	.00096	-.00072	.00090	-.00002	-.00475	-.00184

DATE 29 OCT 76

TABULATED SOURCE DATA - 1A94A.

PAGE 290

LARC UPWT 1152(1A94A) OTSAT130

(MJKAH3) (25 OCT 76)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN XT
 LREF = 1290.3000 INCHES YMRP = .0000 IN YT
 BREF = 1290.3000 INCHES ZMRP = 400.0000 IN ZT
 SCALE = .0100

PARAMETRIC DATA

BETA = -4.000 ELV-LI = 12.000
 ELV-LO = 2.000 ELV-RI = 12.000
 ELV-RO = 2.000

RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH = 1.550	ALPHA	ELV-LI	ELV-LO	CNW	CBW	CTW	CYN	CBL	CY	CHEI	CHEO
-8.000	12.00000	2.00000	2.00000	-.05601	-.00762	-.01189	-.08234	.02301	.20032	.00884	.00085
-6.000	12.00000	2.00000	2.00000	-.03547	-.00379	-.01133	-.07745	.02485	.19113	-.00325	-.00734
-4.000	12.00000	2.00000	2.00000	-.01175	.00061	-.01003	-.07760	.02664	.18861	-.01585	-.01698
-2.000	12.00000	2.00000	2.00000	.01433	.00553	-.00807	-.07738	.02757	.18496	-.02788	-.02405
.000	12.00000	2.00000	2.00000	.03870	.01015	-.00590	-.07923	.02885	.18501	-.03726	-.02704
2.000	12.00000	2.00000	2.00000	.05985	.01381	-.00298	-.08226	.03012	.18770	-.04639	-.02985
4.000	12.00000	2.00000	2.00000	.07709	.01690	-.00085	-.08249	.03177	.18915	-.05339	-.03365
GRADIENT	.00000	.00000	.00000	.01116	.00204	.00117	-.00073	.00064	.00019	-.00468	-.00196

LARC UPWT 1152(1A94A) OTSAT130

(MJKAH4) (25 OCT 76)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN XT
 LREF = 1290.3000 INCHES YMRP = .0000 IN YT
 BREF = 1290.3000 INCHES ZMRP = 400.0000 IN ZT
 SCALE = .0100

PARAMETRIC DATA

BETA = .000 ELV-LI = 12.000
 ELV-LO = 2.000 ELV-RI = 12.000
 ELV-RO = 2.000

RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH = 1.550	ALPHA	ELV-LI	ELV-LO	CNW	CBW	CTW	CYN	CBL	CY	CHEI	CHEO
-8.000	12.00000	2.00000	2.00000	-.04545	-.00621	-.01315	-.00224	.00198	.01101	.01712	.00796
-6.000	12.00000	2.00000	2.00000	-.02586	-.00260	-.01257	-.00305	.00243	.01208	.00680	-.00360
-4.000	12.00000	2.00000	2.00000	-.00152	.00183	-.01187	-.00313	.00210	.01090	-.00282	-.00994
-2.000	12.00000	2.00000	2.00000	.02529	.00686	-.01071	-.00345	.00191	.01074	-.01195	-.01793
.000	12.00000	2.00000	2.00000	.05125	.01155	-.00879	-.00476	.00210	.01300	-.02071	-.02180
2.000	12.00000	2.00000	2.00000	.07831	.01601	-.00521	-.00614	.00206	.01487	-.02896	-.02541
4.000	12.00000	2.00000	2.00000	.09857	.01956	-.00181	-.00556	.00158	.01355	-.03302	-.02973
GRADIENT	.00000	.00000	.00000	.01266	.00223	.00128	-.00038	-.00005	.00047	-.00387	-.00235

DATE 29 OCT 76

TABULATED SOURCE DATA - 1A94A.

PAGE 291

LARC UPWT 1152(1A94A) OTSAT130

(MJK445) (25 OCT 76)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT
 LREF = 1290.3000 INCHES YMRP = .0000 IN. YT
 BREF = 1290.3000 INCHES ZMRP = 400.0000 IN. ZT
 SCALE = .0100

PARAMETRIC DATA

BETA = 4.000 ELV-L1 = 12.000
 ELV-LO = 2.000 ELV-R1 = 12.000
 ELV-RO = 2.000

RN/L - 2 01 GRADIENT INTERVAL = -5.00/ 5.00

MACH = 1.550	ALPHA	ELV-L1	ELV-LO	CNW	CBW	CTW	CYN	CBL	CY	CHE1	CHEO
-8.000	12.00000	2.00000	-.03786	-.00550	-.01553	.07060	-.01753	-.16594	.02083	.02006	
-6.000	12.00000	2.00000	-.01846	-.00209	-.01501	.06580	-.01916	-.15764	.01395	.00914	
-4.000	12.00000	2.00000	.00450	.00212	-.01459	.06559	-.02025	-.15454	.00845	.00140	
-2.000	12.00000	2.00000	.03262	.00717	-.01334	.06678	-.02188	-.15390	.00166	-.00450	
.000	12.00000	2.00000	.06334	.01219	-.01083	.06870	-.02349	-.15459	-.00584	-.01024	
2.000	12.00000	2.00000	.08785	.01669	-.00855	.07025	-.02485	-.15534	-.01129	-.01666	
4.000	12.00000	2.00000	.10648	.02058	-.00610	.06771	-.02570	-.15216	-.01820	-.02258	
GRADIENT	.00000	.00000	.01296	.00232	.00109	.00039	-.00069	.00017	-.00331	-.00301	

LARC UPWT 1152(1A94A) OTSAT130

(MJK446) (25 OCT 76)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT
 LREF = 1290.3000 INCHES YMRP = .0000 IN. YT
 BREF = 1290.3000 INCHES ZMRP = 400.0000 IN. ZT
 SCALE = .0100

PARAMETRIC DATA

BETA = 6.000 ELV-L1 = 12.000
 ELV-LO = 2.000 ELV-R1 = 12.000
 ELV-RO = 2.000

RN/L = 2 01 GRADIENT INTERVAL = -5.00/ 5.00

MACH = 1.550	ALPHA	ELV-L1	ELV-LO	CNW	CBW	CTW	CYN	CBL	CY	CHE1	CHEO
-8.000	12.00000	2.00000	-.03762	-.00518	-.01697	.11347	-.02991	-.25436	.02318	.02422	
-6.000	12.00000	2.00000	-.01726	-.00159	-.01628	.10634	-.03187	-.25207	.01553	.01374	
-4.000	12.00000	2.00000	.00478	.00243	-.01563	.10384	-.03334	-.24617	.00982	.00649	
-2.000	12.00000	2.00000	.03214	.00743	-.01481	.10402	-.03536	-.24349	.00318	.00189	
.000	12.00000	2.00000	.06274	.01241	-.01219	.10640	-.03747	-.24235	-.00223	-.00358	
2.000	12.00000	2.00000	.09110	.01713	-.00932	.10820	-.03945	-.24460	-.00705	-.01073	
4.000	12.00000	2.00000	.11228	.02110	-.00650	.10671	-.04103	-.24349	-.01172	-.01772	
GRADIENT	.00000	.00000	.01370	.00235	.00119	.00050	-.00097	.00021	-.00267	-.00305	

LARC UPWT 1152(1A94A) OTSAT130

(MJKA47) (25 OCT 76)

REFERENCE DATA

SREF = 2690.0000 SQ FT XMRP = 976.0000 IN. XT
 LREF = 1290.3000 INCHES YMRP = .0000 IN. YT
 BREF = 1290.3000 INCHES ZMRP = 400.0000 IN. ZT
 SCALE = .0100

PARAMETRIC DATA

BETA = -6.000 ELV-L1 = 8.000
 ELV-LO = 2.000 ELV-R1 = 8.000
 ELV-RO = 2.000

RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH = 1.550

ALPHA	ELV-L1	ELV-LO	CNW	CBW	CTW	CYN	CBL	CY	CHE1	CHE0
-8.000	8.00000	2.00000	- .06174	- .00835	- .00887	- .12711	.03622	.30403	.03384	- .00192
-6.000	8.00000	2.00000	- .04163	- .00449	- .00820	- .11949	.03836	.29022	.02159	- .01011
-4.000	8.00000	2.00000	- .01966	- .00025	- .00670	- .11845	.04039	.28498	.00898	- .01899
-2.000	8.00000	2.00000	.00360	.00416	- .00479	- .11972	.04266	.28308	- .00249	- .02598
.000	8.00000	2.00000	.02699	.00844	- .00268	- .12110	.04424	.28161	- .01394	- .02873
2.000	8.00000	2.00000	.04732	.01212	- .00060	- .12321	.04596	.28370	- .02423	- .03126
4.000	8.00000	2.00000	.06439	.01520	.00108	- .12388	.04757	.28370	- .03272	- .03503
GRADIENT	.00000	.00000	.01059	.00194	.00099	- .00072	.00088	- .00010	- .00526	- .00187

LARC UPWT 1152(1A94A) OTSAT130

(MJKA48) (25 OCT 76)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT
 LREF = 1290.3000 INCHES YMRP = .0000 IN. YT
 BREF = 1290.3000 INCHES ZMRP = 400.0000 IN. ZT
 SCALE = .0100

PARAMETRIC DATA

BETA = -4.000 ELV-L1 = 8.000
 ELV-LO = 2.000 ELV-R1 = 8.000
 ELV-RO = 2.000

RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH = 1.550

ALPHA	ELV-L1	ELV-LO	CNW	CBW	CTW	CYN	CBL	CY	CHE1	CHE0
-8.000	8.00000	2.00000	- .05945	- .00802	- .01007	- .08265	.02330	.20027	.03661	- .00118
-6.000	8.00000	2.00000	- .03838	- .00406	- .00960	- .07750	.02522	.19104	.02402	- .00726
-4.000	8.00000	2.00000	- .01402	.00038	- .00816	- .07747	.02684	.18859	.01196	- .01703
-2.000	8.00000	2.00000	.01184	.00520	- .00622	- .07778	.02780	.18499	.00040	- .02407
.000	8.00000	2.00000	.03614	.00980	- .00406	- .07920	.02901	.18548	- .01005	- .02712
2.000	8.00000	2.00000	.05705	.01344	- .00122	- .08333	.03078	.19005	- .02043	- .02974
4.000	8.00000	2.00000	.07536	.01664	.00097	- .08265	.03202	.18934	- .02878	- .03354
GRADIENT	.00000	.00000	.01120	.00204	.00116	- .00080	.00067	.00033	- .00512	- .00193

DATE 29 OCT 76

TABULATED SOURCE DATA - 1A94A.

PAGE 293

LARC UPWT 1152(1A94A) OTSAT130

(MJK49) (25 OCT 76)

REFERENCE DATA

SREF = 2690.0000 SQ FT. XMRP = 976.0000 IN. XT
 LREF = 1290.3000 INCHES YMRP = .0000 IN. YT
 BREF = 1290.3000 INCHES ZMRP = 400.0000 IN. ZT
 SCALE = .0100

PARAMETRIC DATA

BETA = .000 ELV-LI = 8.000
 ELV-LO = 2.000 ELV-RI = 8.000
 ELV-RO = 2.000

RN/L - 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	ELV-LI	ELV-LO	CNW	CBW	CTW	CYN	CBL	CY	CHEI	CHEO
1.550	-8.000	8.00000	2.00000	- .05001	- .00670	-.01154	-.00280	.00231	.01146	.04540	-.00896
	-6.000	8.00000	2.00000	- .02950	-.00295	- .01098	- .00358	.00267	.01282	.03398	-.00292
	-4.000	8.00000	2.00000	- .00455	.00154	-.01016	-.00348	.00241	.01169	.02309	-.00974
	-2.000	8.00000	2.00000	.02256	.00655	- .00904	- .00462	.00246	.01269	.01393	-.01760
	.000	8.00000	2.00000	.04837	.01123	- .00705	-.00611	.00267	.01532	.00434	-.02169
	2.000	8.00000	2.00000	.07562	.01570	- .00350	- .00718	.00247	.01658	-.00512	-.02528
	4.000	8.00000	2.00000	.09559	.01921	- .00015	- .00700	.00222	.01614	-.00994	-.02971
	GRADIENT	.00000	.00000	.01267	.00222	.00128	- .00048	- .00002	.00064	-.00426	-.00238

LARC UPWT 1152(1A94A) OTSAT130

(MJK450) (25 OCT 76)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT
 LREF = 1290.3000 INCHES YMRP = .0000 IN. YT
 BREF = 1290.3000 INCHES ZMRP = 400.0000 IN. ZT
 SCALE = .0100

PARAMETRIC DATA

BETA = 4.000 ELV-LI = 8.000
 ELV-LO = 2.000 ELV-RI = 8.000
 ELV-RO = 2.000

RN/L = 2.01 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	ELV-LI	ELV-LO	CNW	CBW	CTW	CYN	CBL	CY	CHEI	CHEO
1.550	-8.000	8.00000	2.00000	- .04142	-.00592	-.01336	.07002	-.01716	-.16581	.04658	.02014
	-6.000	8.00000	2.00000	- .02099	- .00240	-.01273	.06447	- .01865	-.15662	.03947	.00947
	-4.000	8.00000	2.00000	.00079	.00167	-.01256	.06525	- .01996	- .15469	.03301	.00234
	-2.000	8.00000	2.00000	.03089	.00697	-.01108	.06598	-.02137	-.15293	.02503	-.00417
	.000	8.00000	2.00000	.06168	.01194	-.00854	.06731	-.02294	-.15297	.01720	-.01020
	2.000	8.00000	2.00000	.08596	.01643	-.00634	.06940	-.02442	-.15489	.01025	-.01661
	4.000	8.00000	2.00000	.10497	.02027	-.00374	.06762	- .02564	-.15297	.00367	-.02223
	GRADIENT	.00000	.00000	.01317	.00233	.00112	.00041	- .00072	.00007	- .00367	-.00308

LARC UPWT 1152(1A94A) OTSAT130

(MJKA51) (25 OCT 76)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT
 LREF = 1290.3000 INCHES YMRP = .0000 IN. YT
 BREF = 1290.3000 INCHES ZMRP = 400.0000 IN. ZT
 SCALE = .0100

PARAMETRIC DATA

BETA = 6.000 ELV-LI = 8.000
 ELV-LO = 2.000 ELV-RI = 8.000
 ELV-RO = 2.000

RN/L = 2.01 GRADIENT INTERVAL = -5.00/ 5.00

MACH = 1.550	ALPHA	ELV-LI	ELV-LO	CNW	CBW	CTW	CYN	CBL	CY	CHEI	CHEO
-8.000	8.00000	2.00000	-.04152	-.00570	-.01470	.11264	-.02940	-.26346	.04836	.02443	
-6.000	8.00000	2.00000	-.02068	-.00206	-.01380	.10554	-.03127	-.25166	.04096	.01404	
-4.000	8.00000	2.00000	.00236	.00210	-.01321	.10296	-.03283	-.24514	.03432	.00707	
-2.000	8.00000	2.00000	.03026	.00711	-.01225	.10304	-.03473	-.24179	.02717	.00273	
.000	8.00000	2.00000	.06033	.01208	-.00983	.10544	-.03696	-.24114	.02066	-.00315	
2.000	8.00000	2.00000	.08867	.01679	-.00697	.10701	-.03887	-.24310	.01397	-.01062	
4.000	8.00000	2.00000	.10975	.02075	-.00423	.10556	-.04047	-.24145	.00843	-.01762	
GRADIENT	.00000	.00000	.01366	.00235	.00116	.00046	-.00097	.00030	-.00325	-.00314	

LARC UPWT 1152(1A94A) OTSAT130

(MJKA52) (25 OCT 76)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT
 LREF = 1290.3000 INCHES YMRP = .0000 IN. YT
 BREF = 1290.3000 INCHES ZMRP = 400.0000 IN. ZT
 SCALE = .0100

PARAMETRIC DATA

BETA = -6.000 ELV-LI = 8.000
 ELV-LO = -5.000 ELV-RI = 8.000
 ELV-RO = -5.000

RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH = 1.550	ALPHA	ELV-LI	ELV-LO	CNW	CBW	CTW	CYN	CBL	CY	CHEI	CHEO
-8.000	8.00000	-5.00000	-.06242	-.00953	-.00644	-.12724	.03636	.30528	.03527	.02135	
-6.000	8.00000	-5.00000	-.04176	-.00555	-.00578	-.11952	.03852	.29144	.02319	.01382	
-4.000	8.00000	-5.00000	-.01995	-.00135	-.00445	-.11872	.04048	.28504	.01079	.00577	
-2.000	8.00000	-5.00000	.00404	.00317	-.00244	-.11902	.04247	.28191	-.00059	-.00166	
.000	8.00000	-5.00000	.02778	.00747	-.00024	-.12178	.04459	.28378	-.01229	-.00553	
2.000	8.00000	-5.00000	.04784	.01117	.00167	-.12316	.04603	.28429	-.02251	-.00866	
4.000	8.00000	-5.00000	.06490	.01428	.00317	-.12457	.04781	.28548	-.03111	-.01298	
GRADIENT	.00000	.00000	.01067	.00196	.00097	-.00079	.00091	.00016	-.00529	-.00222	

DATE 29 OCT 76

TABULATED SOURCE DATA - 1A94A.

PAGE 295

LARC UPWT 1152(1A94A) OTSAT130

(MJKA53) (25 OCT 76)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT
 LREF = 1290.3000 INCHES YMRP = .0000 IN. YT
 BREF = 1290.3000 INCHES ZMRP = 400.0000 IN. ZT
 SCALE = .0100

PARAMETRIC DATA

BETA = -4.000 ELV-LI = 8.000
 ELV-LO = -5.000 ELV-RI = 8.000
 ELV-RO = -5.000

RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH = 1.550	ALPHA	ELV-LI	ELV-LO	CNW	CBW	CTW	CYN	CBL	CY	CHEI	CHEO
-8.000	8.00000	-5.00000	-.06014	-.00920	-.00771	-.08329	.02346	.20177	.03766	.02396	
-6.000	8.00000	-5.00000	-.03829	-.00512	-.00729	-.07751	.02523	.19177	.02524	.01567	
-4.000	8.00000	-5.00000	-.01349	-.00057	-.00588	-.07721	.02678	.18850	.01334	.00684	
-2.000	8.00000	-5.00000	.01207	.00420	-.00394	-.07778	.02783	.18540	.00171	-.00010	
.000	8.00000	-5.00000	.03595	.00873	-.00183	-.07968	.02929	.18679	-.00844	-.00391	
2.000	8.00000	-5.00000	.05770	.01249	.00103	-.08333	.03078	.19020	-.01916	-.00724	
4.000	8.00000	-5.00000	.07642	.01579	.00321	-.08286	.03212	.18972	-.02727	-.01170	
GRADIENT	.00000	.00000	.01127	.00205	.00116	-.00084	.00068	.00036	-.00510	-.00221	

LARC UPWT 1152(1A94A) OTSAT130

(MJKA54) (25 OCT 76)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT
 LREF = 1290.3000 INCHES YMRP = .0000 IN. YT
 BREF = 1290.3000 INCHES ZMRP = 400.0000 IN. ZT
 SCALE = .0100

PARAMETRIC DATA

BETA = .000 ELV-LI = 8.000
 ELV-LO = -5.000 ELV-RI = 8.000
 ELV-RO = -5.000

RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH = 1.550	ALPHA	ELV-LI	ELV-LO	CNW	CBW	CTW	CYN	CBL	CY	CHEI	CHEO
-8.000	8.00000	-5.00000	-.05108	-.00787	-.00951	-.00197	.00203	.00981	.04750	.03185	
-6.000	8.00000	-5.00000	-.02992	-.00401	-.00892	-.00311	.00244	.01170	.03548	.01895	
-4.000	8.00000	-5.00000	-.00477	.00049	-.00806	-.00314	.00222	.01087	.02478	.01223	
-2.000	8.00000	-5.00000	.02178	.00540	-.00680	-.00431	.00228	.01259	.01590	.00537	
.000	8.00000	-5.00000	.04891	.01023	-.00474	-.00590	.00255	.01476	.00568	.00088	
2.000	8.00000	-5.00000	.07626	.01470	-.00110	-.00721	.00238	.01660	-.00400	-.00337	
4.000	8.00000	-5.00000	.09672	.01828	.00225	-.00726	.00220	.01647	-.00898	-.00872	
GRADIENT	.00000	.00000	.01287	.00224	.00132	-.00056	.00000	.00076	-.00437	-.00253	

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DATE 29 OCT 76

TABULATED SOURCE DATA - 1A94A.

PAGE 296

LARC UPWT 1152(1A94A) OTSAT130

(MJKA55) (25 OCT 76)

REFERENCE DATA

SREF = 2690.0000 SQ FT XMRP = 976.0000 IN. XT
 LREF = 1290.3000 INCHES YMRP = .0000 IN. YT
 BREF = 1290.3000 INCHES ZMRP = 400.0000 IN. ZT
 SCALE = .0100

PARAMETRIC DATA

BETA = 4.000 ELV-LI = 8.000
 ELV-LO = -5.000 ELV-RI = 8.000
 ELV-RO = -5.000

RN/L = 2.01 GRADIENT INTERVAL = -5.00/ 5.00

MACH = 1.550

ALPHA	ELV-LI	ELV-LO	CNW	CBW	CTW	CYN	CBL	CY	CHEI	CHEO
-8.000	8.00000	-5.00000	-.04104	-.00696	-.01091	.06938	-.01702	-.16468	.04913	.04345
-6.000	8.00000	-5.00000	-.02052	-.00340	-.01033	.06411	-.01874	-.15594	.04121	.03144
-4.000	8.00000	-5.00000	.00052	.00056	-.01029	.06449	-.01986	-.15366	.03431	.02515
-2.000	8.00000	-5.00000	.03093	.00584	-.00881	.06569	-.02150	-.15299	.02646	.01845
.000	8.00000	-5.00000	.06127	.01078	-.00640	.06740	-.02318	-.15367	.01880	.01209
2.000	8.00000	-5.00000	.08629	.01534	-.00413	.06844	-.02432	-.15295	.01167	.00468
4.000	8.00000	-5.00000	.10552	.01925	-.00144	.06683	-.02548	-.15167	.00517	-.00182
GRADIENT	.00000	.00000	.01327	.00234	.00112	.00037	-.00070	.00020	-.00365	-.00338

LARC UPWT 1152(1A94A) OTSAT130

(MJKA56) (25 OCT 76)

REFERENCE DATA

SREF = 2690.0000 SQ FT. XMRP = 976.0000 IN. XT
 LREF = 1290.3000 INCHES YMRP = .0000 IN. YT
 BREF = 1290.3000 INCHES ZMRP = 400.0000 IN. ZT
 SCALE = .0100

PARAMETRIC DATA

BETA = 6.000 ELV-LI = 8.000
 ELV-LO = -5.000 ELV-RI = 8.000
 ELV-RO = -5.000

RN/L = 2.01 GRADIENT INTERVAL = -5.00/ 5.00

MACH = 1.550

ALPHA	ELV-LI	ELV-LO	CNW	CBW	CTW	CYN	CBL	CY	CHEI	CHEO
-8.000	8.00000	-5.00000	-.04193	-.00683	-.01245	.11186	-.02943	-.26294	.05110	.04900
-6.000	8.00000	-5.00000	-.02105	-.00317	-.01165	.10505	-.03148	-.25153	.04292	.03728
-4.000	8.00000	-5.00000	.00187	.00094	-.01103	.10173	-.03260	-.24332	.03564	.03014
-2.000	8.00000	-5.00000	.03012	.00599	-.01006	.10173	-.03450	-.23962	.02812	.02490
.000	8.00000	-5.00000	.06003	.01091	-.00763	.10431	-.03670	-.23961	.02195	.01927
2.000	8.00000	-5.00000	.08869	.01568	-.00487	.10643	-.03878	-.24234	.01553	.01088
4.000	8.00000	-5.00000	.11011	.01970	-.00208	.10536	-.04050	-.24178	.01016	.00239
GRADIENT	.00000	.00000	.01377	.00236	.00115	.00060	-.00100	.00002	-.00318	-.00348

DATE 29 OCT 76

TABULATED SOURCE DATA - 1A94A.

PAGE 297

LARC UPWT 1152(1A94A) OTSAT130

(MJKA57) (25 OCT 76)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT
 LREF = 1290.3000 INCHES YMRP = 0000 IN. YT
 BREF = 1290.3000 INCHES ZMRP = 400.0000 IN. ZT
 SCALE = .0100

PARAMETRIC DATA

BETA = -6 000 ELV-L1 = 8.000
 ELV-LO = -10.000 ELV-R1 = 8.000
 ELV-RO = -10 000

RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH = 1.550	ALPHA	ELV-L1	ELV-LO	CNW	CBW	CTW	CYN	CBL	CY	CHE1	CHE0
-8.000	8.00000	-10.00000	-.07145	-.01112	-.00725	-.12613	.03589	.30236	.03510	.04443	
-6.000	8.00000	-10.00000	-.05125	-.00712	-.00683	-.11871	.03799	.28884	.02244	.03567	
-4.000	8.00000	-10.00000	-.02897	-.00284	-.00546	-.11853	.04009	.28514	.00930	.02599	
-2.000	8.00000	-10.00000	-.00538	.00169	-.00347	-.11929	.04241	.28313	-.00163	.01869	
.000	8.00000	-10.00000	.01851	.00605	-.00133	-.12080	.04416	.28193	-.01296	.01448	
2.000	8.00000	-10.00000	.03822	.00968	.00053	-.12324	.04588	.28444	-.02305	.01098	
4.000	8.00000	-10.00000	.05589	.01295	.00211	-.12512	.04775	.28691	-.03183	.00617	
GRADIENT	.00000	.00000	.01067	.00198	.00096	-.00086	.00094	.00024	-.00518	-.00237	

LARC UPWT 1152(1A94A) OTSAT130

(MJKA58) (25 OCT 76)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT
 LREF = 1290.3000 INCHES YMRP = 0000 IN. YT
 BREF = 1290.3000 INCHES ZMRP = 400.0000 IN. ZT
 SCALE = .0100

PARAMETRIC DATA

BETA = -4 000 ELV-L1 = 8.000
 ELV-LO = -10.000 ELV-R1 = 8.000
 ELV-RO = -10 000

RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH = 1.550	ALPHA	ELV-L1	ELV-LO	CNW	CBW	CTW	CYN	CBL	CY	CHE1	CHE0
-8.000	8.00000	-10.00000	-.06888	-.01071	-.00856	-.08255	.02292	.19956	.03820	.04639	
-6.000	8.00000	-10.00000	-.04797	-.00668	-.00818	-.07776	.02507	.19111	.02544	.03726	
-4.000	8.00000	-10.00000	-.02340	-.00218	-.00698	-.07574	.02611	.18583	.01314	.02715	
-2.000	8.00000	-10.00000	.00302	.00273	-.00483	-.07815	.02783	.18733	.00100	.02019	
.000	8.00000	-10.00000	.02755	.00738	-.00253	-.07918	.02904	.18605	-.00963	.01590	
2.000	8.00000	-10.00000	.04942	.01120	-.00000	-.08276	.03021	.18857	-.01992	.01180	
4.000	8.00000	-10.00000	.06840	.01455	.00228	-.08272	.03158	.18878	-.02792	.00725	
GRADIENT	.00000	.00000	.01150	.00210	.00117	-.00093	.00067	.00036	-.00515	-.00241	

LARC UPWT 1152(1A94A) OTSAT130

(MJKA59) (25 OCT 76)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT
 LREF = 1290.3000 INCHES YMRP = .0000 IN. YT
 BREF = 1290.3000 INCHES ZMRP = 400.0000 IN. ZT
 SCALE = .0100

PARAMETRIC DATA

BETA = .000 ELV-LI = 8.000
 ELV-LO = -10.000 ELV-RI = 8.000
 ELV-RO = -10.000

RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH = 1.550

ALPHA	ELV-LI	ELV-LO	CNW	CBW	CTW	CYN	CBL	CY	CHEI	CHEO
-8.000	8.00000	-10.00000	-.05781	-.00928	-.00967	-.00246	.00204	.01063	.04834	.05549
-6.000	8.00000	-10.00000	-.03758	-.00546	-.00941	-.00338	.00244	.01225	.03559	.04108
-4.000	8.00000	-10.00000	-.01238	-.00093	-.00875	-.00421	.00239	.01288	.02407	.03243
-2.000	8.00000	-10.00000	.01344	.00396	-.00755	-.00581	.00269	.01526	.01469	.02470
.000	8.00000	-10.00000	.04021	.00879	-.00557	-.00609	.00242	.01544	.00482	.02020
2.000	8.00000	-10.00000	.06706	.01323	-.00220	-.00772	.00246	.01711	-.00488	.01575
4.000	8.00000	-10.00000	.08738	.01688	.00108	-.00767	.00211	.01724	-.01021	.00975
GRADIENT	.00000	.00000	.01266	.00224	.00125	-.00044	-.00004	.00053	-.00441	-.00272

LARC UPWT 1152(1A94A) OTSAT130

(MJKA60) (25 OCT 76)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT
 LREF = 1290.3000 INCHES YMRP = .0000 IN. YT
 BREF = 1290.3000 INCHES ZMRP = 400.0000 IN. ZT
 SCALE = .0100

PARAMETRIC DATA

BETA = 4.000 ELV-LI = 8.000
 ELV-LO = -10.000 ELV-RI = 8.000
 ELV-RO = -10.000

RN/L = 2.01 GRADIENT INTERVAL = -5.00/ 5.00

MACH = 1.550

ALPHA	ELV-LI	ELV-LO	CNW	CBW	CTW	CYN	CBL	CY	CHEI	CHEO
-8.000	8.00000	-10.00000	-.05082	-.00861	-.01179	.07031	-.01745	-.16645	.05053	.06683
-6.000	8.00000	-10.00000	-.03033	-.00507	-.01117	.06417	-.01897	-.15581	.04225	.05467
-4.000	8.00000	-10.00000	-.00743	-.00084	-.01083	.06355	-.01483	-.15305	.03473	.04628
-2.000	8.00000	-10.00000	.01994	.00414	-.00985	.06498	-.02113	-.15258	.02678	.03871
.000	8.00000	-10.00000	.05185	.00928	-.00706	.06615	-.02302	-.15174	.01842	.03072
2.000	8.00000	-10.00000	.07740	.01391	-.00489	.06916	-.02490	-.15517	.01103	.02206
4.000	8.00000	-10.00000	.09604	.01784	-.00259	.06654	-.02564	-.15188	.00435	.01492
GRADIENT	.00000	.00000	.01322	.00236	.00107	.00051	-.00075	-.00001	-.00383	-.00397

DATE 29 OCT 76

TABULATED SOURCE DATA - 1A94A.

PAGE 299

LARC UPWT 1152(1A94A) OTSAT130

(MJKAS1) (25 OCT 76)

REFERENCE DATA

SREF = 2690 0000 SQ.FT. XMRP = 976 0000 IN. XT
 LREF = 1290.3000 INCHES YMRP = 0000 IN. YT
 BREF = 1290.3000 INCHES ZMRP = 400 0000 IN. ZT
 SCALE = .0100

PARAMETRIC DATA

BETA = 6.000 ELV-LI = 8.000
 ELV-LO = -10.000 ELV-RI = 8.000
 ELV-RO = -10.000

RN/L = 2.01 GRADIENT INTERVAL = -5.00/ 5.00

MACH = 1.550	ALPHA	ELV-LI	ELV-LO	CNW	CBW	CTW	CYN	CBL	CY	CHEI	CHEO
-8.000	8.00000	-10.00000	-.05069	-.00839	-.01296	.11255	-.02981	-.26417	.05250	.07228	
-6.000	8.00000	-10.00000	-.02947	-.00473	-.01225	.10471	-.03160	-.25087	.04356	.06087	
-4.000	8.00000	-10.00000	-.00698	-.00064	-.01162	.10156	-.03290	-.24386	.03577	.05281	
-2.000	8.00000	-10.00000	.02033	.00432	-.01085	.10197	-.03495	-.24157	.02800	.04586	
.000	8.00000	-10.00000	.05165	.00946	-.00819	.10437	-.03725	-.24089	.02133	.03903	
2.000	8.00000	-10.00000	.08026	.01427	-.00556	.10630	-.03928	-.24356	.01462	.02863	
4.000	8.00000	-10.00000	.10161	.01836	-.00286	.10469	-.04057	-.24077	.00922	.01840	
GRADIENT	.00000	.00000	.01386	.00240	.00114	.00053	-.00098	.00021	-.00332	-.00430	

LARC UPWT 1152(1A94A) OTSAT130

(MJKB17) (25 OCT 76)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976 0000 IN. XT
 LREF = 1290.3000 INCHES YMRP = 0000 IN. YT
 BREF = 1290.3000 INCHES ZMRP = 400 0000 IN. ZT
 SCALE = .0100

PARAMETRIC DATA

BETA = -6.000 ELV-LI = 10.000
 ELV-LO = -5.000 ELV-RI = 10.000
 ELV-RO = -5.000

RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH = 1.550	ALPHA	ELV-LI	ELV-LO	CAF	CNF	CLMF	CABO	CABT	CABS	CHEI	CHEO
-8.000	10.00000	-5.00000	.29716	-.58537	.21902	.04387	.06747	.03101	.01980	.02354	
-6.000	10.00000	-5.00000	.29844	-.42932	.15537	.04349	.06536	.03173	.00732	.01595	
-4.000	10.00000	-5.00000	.29777	-.28806	.10171	.04349	.06384	.03134	-.00553	.00795	
-2.000	10.00000	-5.00000	.29797	-.15285	.05011	.04381	.06164	.03130	-.01778	.00068	
.000	10.00000	-5.00000	.29725	-.02336	.00276	.04409	.05966	.03170	-.02911	-.00303	
2.000	10.00000	-5.00000	.29825	.09558	-.04167	.04321	.05841	.03179	-.03933	-.00628	
4.000	10.00000	-5.00000	.29563	.21441	-.08568	.04182	.05778	.03149	-.04751	-.01043	
GRADIENT	.00000	.00000	-.00020	.06267	-.02333	-.00020	-.00077	.00004	-.00528	-.00219	

DATE 29 OCT 76

TABULATED SOURCE DATA - 1A94A.

PAGE 300

LARC UPWT 1152(1A94A) OTSAT130

(MJKB19) (25 OCT 76)

REFERENCE DATA

SREF = 2690.0000 SQ.FT XMRP = 976.0000 IN. XT
 LREF = 1290.3000 INCHES YMRP = .0000 IN. YT
 BREF = 1290.3000 INCHES ZMRP = 400.0000 IN. ZT
 SCALE = .0100

PARAMETRIC DATA

BETA = -4.000 ELV-L1 = 10.000
 ELV-LO = -5.000 ELV-R1 = 10.000
 ELV-RO = -5.000

RN/L = 2 00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	ELV-L1	ELV-LO	CAF	CNF	CLMF	CABO	CABT	CABS	CHE1	CHEO
1.550	-8.000	10.00000	-5.00000	.29998	-.57823	.22046	.04292	.06548	.03162	.02169	.02580
	-6.000	10.00000	-5.00000	.30059	-.42581	.16000	.04321	.06479	.03078	.00954	.01782
	-4.000	10.00000	-5.00000	.30059	-.29052	.10654	.04337	.06299	.03016	-.00264	.00922
	-2.000	10.00000	-5.00000	.29947	-.15578	.05498	.04325	.06054	.03027	-.01456	.00267
	.000	10.00000	-5.00000	.29907	-.02488	.00618	.04284	.05938	.03077	-.02480	-.00112
	2.000	10.00000	-5.00000	.29891	.09742	-.04046	.04181	.05779	.03087	-.03567	-.00473
	4.000	10.00000	-5.00000	.29650	.21434	-.08347	.04127	.05705	.03071	-.04315	-.00903
	GRADIENT	.00000	.00000	-.00044	.06315	-.02377	-.00028	-.00073	.00008	-.00511	-.00220

LARC UPWT 1152(1A94A) OTSAT130

(MJKB19) (25 OCT 76)

REFERENCE DATA

SREF = 2690.0000 SQ.FT XMRP = 976.0000 IN. XT
 LREF = 1290.3000 INCHES YMRP = .0000 IN. YT
 BREF = 1290.3000 INCHES ZMRP = 400.0000 IN. ZT
 SCALE = .0100

PARAMETRIC DATA

BETA = .000 ELV-L1 = 10.000
 ELV-LO = -5.000 ELV-R1 = 10.000
 ELV-RO = -5.000

RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	ELV-L1	ELV-LO	CAF	CNF	CLMF	CABO	CABT	CABS	CHE1	CHEO
1.550	-8.000	10.00000	-5.00000	.30496	-.56312	.21510	.04138	.06652	.02920	.03155	.03240
	-6.000	10.00000	-5.00000	.30273	-.41710	.15922	.04190	.06466	.02902	.02040	.01993
	-4.000	10.00000	-5.00000	.30343	-.28198	.10588	.04218	.06152	.02833	.01104	.01380
	-2.000	10.00000	-5.00000	.30454	-.14660	.05279	.04225	.05947	.02821	.00133	.00691
	.000	10.00000	-5.00000	.30534	-.01951	.00606	.04170	.05773	.02802	-.00953	.00251
	2.000	10.00000	-5.00000	.30430	.09723	-.03613	.04115	.05615	.02809	-.01904	-.00165
	4.000	10.00000	-5.00000	.30051	.21072	-.07891	.03997	.05556	.02838	-.02402	-.00666
	GRADIENT	.00000	.00000	-.00030	.06146	-.02292	-.00028	-.00076	-.00000	-.00452	-.00247

DATE 29 OCT 76

TABULATED SOURCE DATA - 1A94A.

PAGE 301

LARC UPWT 1152(1A94A) OTSAT130

(MJKB20) (25 OCT 76)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT
 LREF = 1290.3000 INCHES YMRP = .0000 IN. YT
 BREF = 1290.3000 INCHES ZMRP = 400.0000 IN. ZT
 SCALE = .0100

PARAMETRIC DATA

BETA = 4.000 ELV-L1 = 10.000
 ELV-LO = -5.000 ELV-R1 = 10.000
 ELV-RO = -5.000

RN/L = 2.01 GRADIENT INTERVAL = -5.00/ 5.00

MACH = 1.550

ALPHA	ELV-L1	ELV-LO	CAF	CNF	CLMF	CABO	CABT	CABS	CHE1	CHE0
-8.000	10.00000	-5.00000	.31075	-.57930	.22248	.04227	.06568	.02718	.03498	.04630
-6.000	10.00000	-5.00000	.30787	-.42936	.16330	.04278	.06438	.02799	.02726	.03297
-4.000	10.00000	-5.00000	.30718	-.28957	.10875	.04274	.06181	.02739	.02080	.02573
-2.000	10.00000	-5.00000	.30799	-.15393	.05544	.04278	.05887	.02646	.01363	.01992
.000	10.00000	-5.00000	.30833	-.02734	.00857	.04300	.05691	.02574	.00652	.01395
2.000	10.00000	-5.00000	.30658	.09247	-.03704	.04260	.05564	.02585	-.00080	.00696
4.000	10.00000	-5.00000	.30410	.20686	-.08000	.04179	.05407	.02608	-.00815	.00337
GRADIENT	.00000	.00000	-.00038	.06196	-.02350	-.00010	-.00094	-.00016	-.00362	-.00318

LARC UPWT 1152(1A94A) OTSAT130

(MJKB21) (25 OCT 76)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT
 LREF = 1290.3000 INCHES YMRP = .0000 IN. YT
 BREF = 1290.3000 INCHES ZMRP = 400.0000 IN. ZT
 SCALE = .0100

PARAMETRIC DATA

BETA = 6.000 ELV-L1 = 10.000
 ELV-LO = -5.000 ELV-R1 = 10.000
 ELV-RO = -5.000

RN/L = 2.01 GRADIENT INTERVAL = -5.00/ 5.00

MACH = 1.550

ALPHA	ELV-L1	ELV-LO	CAF	CNF	CLMF	CABO	CABT	CABS	CHE1	CHE0
-8.000	10.00000	-5.00000	.30877	-.58047	.22191	.04396	.06585	.02540	.03736	.05188
-6.000	10.00000	-5.00000	.30850	-.43093	.16202	.04431	.06432	.02614	.02897	.03956
-4.000	10.00000	-5.00000	.30734	-.29123	.10790	.04441	.06223	.02582	.02200	.03079
-2.000	10.00000	-5.00000	.30777	-.15835	.05655	.04436	.05984	.02507	.01540	.02627
.000	10.00000	-5.00000	.30855	-.02368	.00534	.04409	.05799	.02413	.00952	.02124
2.000	10.00000	-5.00000	.30643	.09552	-.04071	.04345	.05704	.02470	.00347	.01307
4.000	10.00000	-5.00000	.30315	.21074	-.08439	.04308	.05551	.02498	-.00214	.00511
GRADIENT	.00000	.00000	-.00049	.06289	-.02409	-.00018	-.00081	-.00010	-.00301	-.00323

DATE 29 OCT 76

TABULATED SOURCE DATA - 1A94A.

PAGE 302

LARC UPWT 1152(1A94A) OTSAT130

(MJKB22) (25 OCT 76)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT
 LREF = 1290.3000 INCHES YMRP = .0000 IN. YT
 BREF = 1290.3000 INCHES ZMRP = 400.0000 IN. ZT
 SCALE = .0100

PARAMETRIC DATA

BETA = -6.000 ELV-LI = 10.000
 ELV-LO = 2.000 ELV-RI = 10.000
 ELV-RO = 2.000

RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	ELV-LI	ELV-LO	CAF	CNF	CLMF	CABO	CABT	CABS	CHEI	CHEO
1.550	-8.000	10.00000	2.00000	.29727	-.57669	.21168	.04395	.06741	.03095	.01805	-.00024
	-6.000	10.00000	2.00000	.29850	-.42290	.14967	.04357	.06553	.03165	.00533	-.00791
	-4.000	10.00000	2.00000	.29770	-.28148	.09554	.04357	.06387	.03150	-.00792	-.01608
	-2.000	10.00000	2.00000	.29802	-.14772	.04454	.04386	.06144	.03146	-.01968	-.02303
	.000	10.00000	2.00000	.29807	-.01922	-.00200	.04408	.05930	.03173	-.03064	-.02580
	2.000	10.00000	2.00000	.29910	.10008	-.04602	.04309	.05810	.03177	-.04100	-.02850
	4.000	10.00000	2.00000	.29705	.21708	-.08915	.04193	.05735	.03159	-.04923	-.03259
	GRADIENT	00000	.00000	-.00001	.06225	-.02300	-.00020	-.00082	00002	-.00520	-.00192

LARC UPWT 1152(1A94A) OTSAT130

(MJKB23) (25 OCT 76)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT
 LREF = 1290.3000 INCHES YMRP = .0000 IN. YT
 BREF = 1290.3000 INCHES ZMRP = 400.0000 IN. ZT
 SCALE = .0100

PARAMETRIC DATA

BETA = -4.000 ELV-LI = 10.000
 ELV-LO = 2.000 ELV-RI = 10.000
 ELV-RO = 2.000

RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	ELV-LI	ELV-LO	CAF	CNF	CLMF	CABO	CABT	CABS	CHEI	CHEO
1.550	-8.000	10.00000	2.00000	.30043	-.56997	.21317	.04298	.06527	.03156	.02104	.00258
	-6.000	10.00000	2.00000	.30038	-.42036	.15414	.04331	.06478	.03091	.00834	-.00543
	-4.000	10.00000	2.00000	.30042	-.28309	.10009	.04343	.06306	.03034	-.00450	-.01442
	-2.000	10.00000	2.00000	.30008	-.14906	.04895	.04329	.06034	.03043	-.01639	-.02099
	.000	10.00000	2.00000	.29987	-.01855	.00067	.04279	.05818	.03087	-.02698	-.02418
	2.000	10.00000	2.00000	.30036	.10094	-.04456	.04172	.05739	.03091	-.03705	-.02697
	4.000	10.00000	2.00000	.29811	.21668	-.08730	.04116	.05668	.03082	-.04493	-.03099
	GRADIENT	00000	00000	-.00022	.06248	-.02342	-.00031	-.00079	00007	-.00508	-.00196

DATE 29 OCT 76

TABULATED SOURCE DATA - 1A94A.

PAGE 303

LARC UPWT 1152(1A94A) OTSAT130

(MJKB24) (25 OCT 76)

REFERENCE DATA

SREF = 2690.0000 SQ FT. XMRP = 976.0000 IN. XT
 LREF = 1290.3000 INCHES YMRP = .0000 IN. YT
 BREF = 1290.3000 INCHES ZMRP = 400 0000 IN. ZT
 SCALE = .0100

PARAMETRIC DATA

BETA = .000 ELV-LI = 10.000
 ELV-LO = 2.000 ELV-RI = 10.000
 ELV-RO = 2.000

RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH = 1.550	ALPHA	ELV-LI	ELV-LO	CAF	CNF	CLMF	CABO	CABT	CABS	CHEI	CHEO
-8.000	10.00000	2.00000	.30594	-.56142	.21041	.04152	.06635	.02920	.02988	.01034	
-6.000	10.00000	2.00000	.30378	-.41489	.15476	.04198	.06453	.02905	.01912	-.00105	
-4.000	10.00000	2.00000	.30415	-.27450	.09972	.04221	.06134	.02836	.00848	-.00777	
-2.000	10.00000	2.00000	.30520	-.14190	.04758	.04224	.05958	.02826	-.00093	-.01517	
.000	10.00000	2.00000	.30377	-.01736	.00238	.04182	.05759	.02813	-.01057	-.01895	
2.000	10.00000	2.00000	.30271	.10164	-.04033	.04119	.05597	.02814	-.02008	-.02259	
4.000	10.00000	2.00000	.30168	.21653	-.08360	.03970	.05511	.02840	-.02483	-.02719	
GRADIENT	.00000	00000	-.00037	.06128	-.02273	-.00030	-.00080	-.00000	-.00429	-.00231	

LARC UPWT 1152(1A94A) OTSAT130

(MJKB25) (25 OCT 76)

REFERENCE DATA

SREF = 2690.0000 SQ FT. XMRP = 976.0000 IN. XT
 LREF = 1290.3000 INCHES YMRP = .0000 IN. YT
 BREF = 1290.3000 INCHES ZMRP = 400 0000 IN. ZT
 SCALE = .0100

PARAMETRIC DATA

BETA = 4.000 ELV-LI = 10.000
 ELV-LO = 2.000 ELV-RI = 10.000
 ELV-RO = 2.000

RN/L = 2.01 GRADIENT INTERVAL = -5.00/ 5.00

MACH = 1.550	ALPHA	ELV-LI	ELV-LO	CAF	CNF	CLMF	CABO	CABT	CABS	CHEI	CHEO
-8.000	10.00000	2.00000	.31108	-.57062	.21515	.04240	.06558	.02715	.03284	.02192	
-6.000	10.00000	2.00000	.30854	-.42164	.15661	.04288	.06439	.02797	.02558	.01133	
-4.000	10.00000	2.00000	.30721	-.28245	.10273	.04280	.06222	.02754	.01964	.00429	
-2.000	10.00000	2.00000	.30879	-.14631	.04922	.04279	.05899	.02648	.01211	-.00198	
.000	10.00000	2.00000	.30971	-.02044	.00240	.04295	.05680	.02566	.00449	-.00758	
2.000	10.00000	2.00000	.30818	.10061	-.04332	.04248	.05526	.02580	-.00245	-.01375	
4.000	10.00000	2.00000	.30605	.21553	-.08624	.04161	.05376	.02609	-.00960	-.01952	
GRADIENT	00000	00000	-.00015	.06214	-.02352	-.00013	-.00103	-.00018	-.00365	-.00297	

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LARC UPWT 1152(1A94A) OTSAT130

(MJKB26) (25 OCT 76)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT
 LREF = 1290.3000 INCHES YMRP = .0000 IN. YT
 BREF = 1290.3000 INCHES ZMRP = 400.0000 IN. ZT
 SCALE = .0100

PARAMETRIC DATA

BETA = 6.000 ELV-LI = 10.000
 ELV-LO = 2.000 ELV-RI = 10.000
 ELV-RO = 2.000

RN/L = 2.01 GRADIENT INTERVAL = -5.00/ 5.00

MACH = 1.550

ALPHA	ELV-LI	ELV-LO	CAF	CNF	CLMF	CABO	CABT	CABS	CHEI	CHEO
-8.000	10.00000	2.00000	.30907	-.56989	.21361	.04406	.06581	.02530	.03499	.02605
-6.000	10.00000	2.00000	.30922	-.42316	.15520	.04438	.06427	.02607	.02739	.01581
-4.000	10.00000	2.00000	.30795	-.28516	.10214	.04447	.06240	.02582	.02115	.00916
-2.000	10.00000	2.00000	.30881	-.14775	.04856	.04434	.05972	.02507	.01404	.00475
.000	10.00000	2.00000	.30990	-.01778	-.00038	.04404	.05790	.02412	.00808	-.00072
2.000	10.00000	2.00000	.30820	.10125	-.04597	.04336	.05679	.02467	.00189	-.00797
4.000	10.00000	2.00000	.30489	.21557	-.08887	.04299	.05530	.02502	-.00382	-.01484
GRADIENT	.00000	00000	-.00034	.06252	-.02383	-.00020	-.00086	-.00010	-.00311	-.00304

LARC UPWT 1152(1A94A) OTSAT130

(MJKB27) (25 OCT 76)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT
 LREF = 1290.3000 INCHES YMRP = .0000 IN. YT
 BREF = 1290.3000 INCHES ZMRP = 400.0000 IN. ZT
 SCALE = .0100

PARAMETRIC DATA

BETA = -6.000 ELV-LI = 10.000
 ELV-LO = -10.000 ELV-RI = 10.000
 ELV-RO = -10.000

RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH = 1.550

ALPHA	ELV-LI	ELV-LO	CAF	CNF	CLMF	CABO	CABT	CABS	CHEI	CHEO
-8.000	10.00000	-10.00000	.29757	-.58951	.22542	.04390	.06774	.03105	.01763	.04500
-6.000	10.00000	-10.00000	.29869	-.43791	.16354	.04360	.06562	.03178	.00455	.03543
-4.000	10.00000	-10.00000	.29812	-.29888	.11005	.04359	.06408	.03146	-.00840	.02538
-2.000	10.00000	-10.00000	.29786	-.16040	.05736	.04390	.06205	.03120	-.02057	.01795
.000	10.00000	-10.00000	.29724	-.03198	.00999	.04430	.06016	.03163	-.03126	.01359
2.000	10.00000	-10.00000	.29755	.09013	-.03569	.04351	.05887	.03184	-.04139	.01011
4.000	10.00000	-10.00000	.29582	.20618	-.07853	.04221	.05819	.03153	-.04945	.00625
GRADIENT	.00000	00000	-.00025	.06303	-.02351	-.00016	-.00075	.00004	-.00515	-.00231

DATE 29 OCT 76

TABULATED SOURCE DATA - 1A94A.

PAGE 305

LARC UPWT 1152(1A94A) OTSAT130

(MJKB28) (25 OCT 76)

REFERENCE DATA

SREF = 2690.0000 SQ FT. XMRP = 976 0000 IN. XT
 LREF = 1290.3000 INCHES YMRP = .0000 IN YT
 BREF = 1290.3000 INCHES ZMRP = 400.0000 IN ZT
 SCALE = .0100

PARAMETRIC DATA

BETA = -4 000 ELV-LI = 10.000
 ELV-LO = -10.000 ELV-RI = 10.000
 ELV-RO = -10.000

RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH = 1.550	ALPHA	ELV-LI	ELV-LO	CAF	CNF	CLMF	CABO	CABT	CABS	CHEI	CHEO
-8.000	10.00000	-10.00000	.30131	-.58930	.22868	.04288	.06572	.03169	.02093	.04678	
-6.000	10.00000	-10.00000	.30163	-.43818	.16880	.04319	.06500	.03090	.00792	.03752	
-4.000	10.00000	-10.00000	.30120	-.29573	.11344	.04337	.06317	.03016	-.00475	.02700	
-2.000	10.00000	-10.00000	.29988	-.16135	.06117	.04333	.06086	.03025	-.01767	.01961	
.000	10.00000	-10.00000	.29940	-.03285	.01284	.04300	.05867	.03083	-.02752	.01517	
2.000	10.00000	-10.00000	.29858	.08868	-.03314	.04211	.05816	.03097	-.03754	.01118	
4.000	10.00000	-10.00000	.29710	.20474	-.07622	.04142	.05738	.03077	-.04494	.00736	
GRADIENT	.00000	.00000	-.00048	.06265	-.02368	-.00026	-.00071	.00010	-.00501	-.00239	

LARC UPWT 1152(1A94A) OTSAT130

(MJKB29) (25 OCT 76)

REFERENCE DATA

SREF = 2690 0000 SQ FT. XMRP = 976 0000 IN XT
 LREF = 1290.3000 INCHES YMRP = .0000 IN YT
 BREF = 1290.3000 INCHES ZMRP = 400.0000 IN ZT
 SCALE = 0100

PARAMETRIC DATA

BETA = .000 ELV-LI = 10.000
 ELV-LO = -10.000 ELV-RI = 10.000
 ELV-RO = -10.000

RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH = 1.550	ALPHA	ELV-LI	ELV-LO	CAF	CNF	CLMF	CABO	CABT	CABS	CHEI	CHEO
-8.000	10.00000	-10.00000	.30559	-.57645	.22427	.04146	.06646	.02921	.03102	.05503	
-6.000	10.00000	-10.00000	.30294	-.43272	.16894	.04194	.06502	.02913	.01920	.04180	
-4.000	10.00000	-10.00000	.30282	-.29164	.11348	.04225	.06229	.02859	.00873	.03289	
-2.000	10.00000	-10.00000	.30439	-.15727	.06077	.04238	.05984	.02836	-.00063	.02405	
.000	10.00000	-10.00000	.30498	-.02848	.01325	.04191	.05812	.02813	-.01180	.01928	
2.000	10.00000	-10.00000	.30406	.08692	-.02867	.04131	.05643	.02818	-.02081	.01513	
4.000	10.00000	-10.00000	.29954	.20229	-.07190	.04017	.05594	.02847	-.02556	.00963	
GRADIENT	.00000	.00000	-.00034	.06160	-.02301	-.00026	-.00081	-.00002	-.00444	-.00277	

LARC UPWT 1152(1A94A) OTSAT130

(MJKB30) (25 OCT 76)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT
 LREF = 1290.3000 INCHES YMRP = .0000 IN. YT
 BREF = 1290.3000 INCHES ZMRP = 400.0000 IN. ZT
 SCALE = .0100

PARAMETRIC DATA

BETA = 4.000 ELV-LI = 10.000
 ELV-LO = -10.000 ELV-RI = 10.000
 ELV-RO = -10.000

RN/L = 2.01 GRADIENT INTERVAL = -5.00/ 5.00

MACH = 1.550

ALPHA	ELV-LI	ELV-LO	CAF	CNF	CLMF	CABO	CABT	CABS	CHEI	CHEO
-8.000	10.00000	-10.00000	.31185	-.58593	.22999	.04231	.06599	.02706	.03388	.06593
-6.000	10.00000	-10.00000	.30898	-.43620	.17054	.04277	.06491	.02775	.02595	.05406
-4.000	10.00000	-10.00000	.30741	-.29835	.11633	.04280	.06236	.02756	.01923	.04629
-2.000	10.00000	-10.00000	.30850	-.15948	.06220	.04288	.05930	.02657	.01180	.03868
.000	10.00000	-10.00000	.30851	-.03422	.01486	.04323	.05754	.02597	.00389	.03041
2.000	10.00000	-10.00000	.30672	.08499	-.03090	.04285	.05626	.02599	-.00329	.02158
4.000	10.00000	-10.00000	.30438	.20076	-.07401	.04203	.05453	.02620	-.01021	.01493
GRADIENT	.00000	.00000	-.00039	.06213	-.02369	-.00008	-.00094	-.00017	-.00370	-.00399

LARC UPWT 1152(1A94A) OTSAT130

(MJKB31) (25 OCT 76)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT
 LREF = 1290.3000 INCHES YMRP = .0000 IN. YT
 BREF = 1290.3000 INCHES ZMRP = 400.0000 IN. ZT
 SCALE = .0100

PARAMETRIC DATA

BETA = 6.000 ELV-LI = 10.000
 ELV-LO = -10.000 ELV-RI = 10.000
 ELV-RO = -10.000

RN/L = 2.01 GRADIENT INTERVAL = -5.00/ 5.00

MACH = 1.550

ALPHA	ELV-LI	ELV-LO	CAF	CNF	CLMF	CABO	CABT	CABS	CHEI	CHEO
-8.000	10.00000	-10.00000	.30979	-.59005	.23015	.04400	.06632	.02541	.03627	.07125
-6.000	10.00000	-10.00000	.30975	-.44242	.17091	.04434	.06491	.02606	.02762	.06025
-4.000	10.00000	-10.00000	.30822	-.30015	.11627	.04441	.06257	.02601	.02052	.05273
-2.000	10.00000	-10.00000	.30837	-.16261	.06243	.04444	.06033	.02531	.01318	.04596
.000	10.00000	-10.00000	.30889	-.03449	.01323	.04439	.05850	.02442	.00671	.03927
2.000	10.00000	-10.00000	.30734	.08648	-.03357	.04378	.05757	.02482	.00088	.02860
4.000	10.00000	-10.00000	.30377	.20357	-.07783	.04334	.05623	.02510	-.00448	.01871
GRADIENT	.00000	.00000	-.00050	.06283	-.02421	-.00014	-.00077	-.00012	-.00312	-.00427

DATE 29 OCT 76

TABULATED SOURCE DATA - 1A94A

PAGE 307

LARC UPWT 1152(1A94A) OTSAT130

(MJKB32) (25 OCT 76)

REFERENCE DATA

SREF = 2690.0000 SQ FT. XMRP = 976.0000 IN. XT
 LREF = 1290 3000 INCHES YMRP = .0000 IN YT
 BREF = 1290 3000 INCHES ZMRP = 400.0000 IN. ZT
 SCALE = .0100

PARAMETRIC DATA

BETA = -6.000 ELV-LI = 12.000
 ELV-LO = -10.000 ELV-RI = 12.000
 ELV-RO = -10.000

RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH = 1.550	ALPHA	ELV-LI	ELV-LO	CAF	CNF	CLMF	CABO	CABT	CABS	CHEI	CHEO
-8.000	12.00000	-10.00000	29893	-.58721	.22407	.04414	.06764	.03111	.00719	.04410	
-6.000	12.00000	-10.00000	29998	-.43534	.16197	.04385	.06561	.03182	-.00496	.03473	
-4.000	12.00000	-10.00000	.29876	-.29795	.10894	.04380	.06404	.03162	-.01733	.02496	
-2.000	12.00000	-10.00000	29857	-.16143	.05686	.04422	.06175	.03131	-.02853	.01684	
.000	12.00000	-10.00000	.29776	-.03318	.00941	.04460	.05983	.03166	-.03802	.01255	
2.000	12.00000	-10.00000	.29877	.08967	-.03591	.04366	.05857	.03181	-.04740	.00971	
4.000	12.00000	-10.00000	29640	.20669	-.07906	.04248	.05799	.03152	-.05548	.00643	
GRADIENT	.00000	.00000	-.00023	.06302	-.02344	-.00016	-.00076	.00001	-.00476	-.00224	

LARC UPWT 1152(1A94A) OTSAT130

(MJKB33) (25 OCT 76)

REFERENCE DATA

SREF = 2690 0000 SQ.FT. XMRP = 976 0000 IN XT
 LREF = 1290.3000 INCHES YMRP = .0000 IN YT
 BREF = 1290 3000 INCHES ZMRP = 400.0000 IN. ZT
 SCALE = 0100

PARAMETRIC DATA

BETA = -4.000 ELV-LI = 12.000
 ELV-LO = -10.000 ELV-RI = 12.000
 ELV-RO = -10.000

RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH = 1.550	ALPHA	ELV-LI	ELV-LO	CAF	CNF	CLMF	CABO	CABT	CABS	CHEI	CHEO
-8.000	12.00000	-10.00000	.30241	-.58774	.22743	.04324	.06562	.03167	.01062	.04596	
-6.000	12.00000	-10.00000	.30219	-.43734	.16835	.04356	.06491	.03098	-.00141	.03679	
-4.000	12.00000	-10.00000	.30160	-.29622	.11271	.04364	.06323	.03051	-.01352	.02627	
-2.000	12.00000	-10.00000	.30077	-.16082	.06048	.04358	.06095	.03036	-.02569	.01819	
.000	12.00000	-10.00000	.30066	-.03003	.01158	.04322	.05856	.03075	-.03456	.01394	
2.000	12.00000	-10.00000	.29992	.09025	-.03381	.04228	.05787	.03094	-.04401	.01062	
4.000	12.00000	-10.00000	.29769	.20464	-.07645	.04170	.05727	.03074	-.05134	.00698	
GRADIENT	.00000	.00000	-.00043	.06264	-.02363	-.00026	-.00075	.00005	-.00470	-.00231	

DATE 29 OCT 76

TABULATED SOURCE DATA - 1A94A.

PAGE 308

LARC UPWT 1152(1A94A) OTSAT130

(MJKB34) (25 OCT 76)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT
 LREF = 1290.3000 INCHES YMRP = .0000 IN. YT
 BREF = 1290.3000 INCHES ZMRP = 400.0000 IN. ZT
 SCALE = .0100

PARAMETRIC DATA

BETA = .000 ELV-LI = 12.000
 ELV-LO = -10.000 ELV-RI = 12.000
 ELV-RO = -10.000

RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH = 1.550	ALPHA	ELV-LI	ELV-LO	CAF	CNF	CLMF	CABO	CABT	CABS	CHEI	CHEO
-8.000	12.00000	-10.00000	.30645	-.57607	.22340	.04182	.06639	.02932	.01913	.05397	
-6.000	12.00000	-10.00000	.30421	-.42725	.16581	.04225	.06464	.02914	.00789	.04028	
-4.000	12.00000	-10.00000	.30387	-.28869	.11142	.04257	.06168	.02859	-.00195	.03098	
-2.000	12.00000	-10.00000	.30496	-.15521	.05928	.04269	.05947	.02846	-.01056	.02318	
.000	12.00000	-10.00000	.30553	-.02551	.01170	.04214	.05769	.02814	-.01944	.01861	
2.000	12.00000	-10.00000	.30426	.08825	-.02973	.04168	.05616	.02820	-.02775	.01427	
4.000	12.00000	-10.00000	.30001	.20429	-.07338	.04041	.05575	.02850	-.03188	.00914	
GRADIENT	.00000	.00000	-.00042	.06147	-.02293	-.00027	-.00076	-.00002	-.00385	-.00263	

LARC UPWT 1152(1A94A) OTSAT130

(MJKB35) (25 OCT 76)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT
 LREF = 1290.3000 INCHES YMRP = .0000 IN. YT
 BREF = 1290.3000 INCHES ZMRP = 400.0000 IN. ZT
 SCALE = .0100

PARAMETRIC DATA

BETA = 4.000 ELV-LI = 12.000
 ELV-LO = -10.000 ELV-RI = 12.000
 ELV-RO = -10.000

RN/L = 2.01 GRADIENT INTERVAL = -5.00/ 5.00

MACH = 1.550	ALPHA	ELV-LI	ELV-LO	CAF	CNF	CLMF	CABO	CABT	CABS	CHEI	CHEO
-8.000	12.00000	-10.00000	.31319	-.58145	.22786	.04267	.06564	.02719	.02289	.06460	
-6.000	12.00000	-10.00000	.31060	-.43615	.16961	.04312	.06454	.02787	.01508	.05299	
-4.000	12.00000	-10.00000	.30879	-.29510	.11443	.04309	.06215	.02763	.00871	.04541	
-2.000	12.00000	-10.00000	.30866	-.15834	.06153	.04326	.05957	.02678	.00217	.03763	
.000	12.00000	-10.00000	.30952	-.02857	.01220	.04355	.05723	.02600	-.00488	.02937	
2.000	12.00000	-10.00000	.30766	.08819	-.03251	.04314	.05583	.02601	-.01059	.02138	
4.000	12.00000	-10.00000	.30546	.20250	-.07529	.04227	.05441	.02618	-.01647	.01459	
GRADIENT	.00000	.00000	-.00038	.06209	-.02367	-.00009	-.00096	-.00018	-.00316	-.00389	

DATE 29 OCT 76

TABULATED SOURCE DATA - 1A94A.

PAGE 309

LARC UPWT 1152(1A94A) OTSAT130

(MJKB36) (25 OCT 76)

REFERENCE DATA

PARAMETRIC DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT
 LREF = 1290.3000 INCHES YMRP = 0000 IN. YT
 BREF = 1290.3000 INCHES ZMRP = 400.0000 IN. ZT
 SCALE = .0100

BETA = 6.000 ELV-LI = 12.000
 ELV-LO = -10.000 ELV-RI = 12.000
 ELV-RO = -10.000

RN/L = 2.01 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	ELV-LI	ELV-LO	CAF	CNF	CLMF	CABO	CABT	CABS	CHEI	CHEO
1.550	-8.000	12.00000	-10.00000	.31115	-.58592	.22813	.04425	.06606	.02551	.02577	.06966
	-6.000	12.00000	-10.00000	.31111	-.43844	.16863	.04457	.06462	.02612	.01731	.05847
	-4.000	12.00000	-10.00000	.30949	-.29900	.11525	.04467	.06250	.02598	.01051	.05087
	-2.000	12.00000	-10.00000	.30961	-.16356	.06188	.04481	.05999	.02526	.00376	.04466
	.000	12.00000	-10.00000	.31038	-.03454	.01298	.04472	.05815	.02444	-.00180	.03827
	2.000	12.00000	-10.00000	.30815	.08759	-.03398	.04408	.05721	.02487	-.00617	.02811
	4.000	12.00000	-10.00000	.30515	.20405	-.07857	.04360	.05576	.02510	-.01059	.01871
	GRADIENT	.00000	.00000	-.00051	.06286	-.02418	-.00014	-.00081	-.00011	-.00261	-.00404

LARC UPWT 1152(1A94A) OTSAT130

(MJKB37) (25 OCT 76)

REFERENCE DATA

PARAMETRIC DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT
 LREF = 1290.3000 INCHES YMRP = 0000 IN. YT
 BREF = 1290.3000 INCHES ZMRP = 400.0000 IN. ZT
 SCALE = .0100

BETA = -6.000 ELV-LI = 12.000
 ELV-LO = -5.000 ELV-RI = 12.000
 ELV-RO = -5.000

RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	ELV-LI	ELV-LO	CAF	CNF	CLMF	CABO	CABT	CABS	CHEI	CHEO
1.550	-8.000	12.00000	-5.00000	.29779	-.58447	.21799	.04441	.05763	.03129	.00752	.02206
	-6.000	12.00000	-5.00000	.29862	-.43248	.15604	.04414	.06541	.03215	-.00459	.01445
	-4.000	12.00000	-5.00000	.29775	-.28957	.10114	.04407	.06386	.03170	-.01725	.00624
	-2.000	12.00000	-5.00000	.29736	-.15605	.05038	.04444	.06162	.03160	-.02854	-.00064
	.000	12.00000	-5.00000	.29683	-.02687	.00288	.04470	.05962	.03192	-.03805	-.00383
	2.000	12.00000	-5.00000	.29753	.09001	-.04045	.04377	.05850	.03198	-.04752	-.00631
	4.000	12.00000	-5.00000	.29532	.21021	-.08466	.04254	.05781	.03169	-.05546	-.01053
	GRADIENT	.00000	.00000	-.00023	.06228	-.02312	-.00019	-.00076	.00002	-.00477	-.00196

LARC UPWT 1152(1A94A) OTSAT130

(MJKB39) (25 OCT 76)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT
 LREF = 1290.3000 INCHES YMRP = .0000 IN. YT
 BREF = 1290.3000 INCHES ZMRP = 400.0000 IN. ZT
 SCALE = .0100

PARAMETRIC DATA

BETA = -4.000 ELV-L1 = 12.000
 ELV-LO = -5.000 ELV-R1 = 12.000
 ELV-RO = -5.000

RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH = 1.550	ALPHA	ELV-L1	ELV-LO	CAF	CNF	CLMF	CABO	CABT	CABS	CHE1	CHE0
-8.000	12.00000	-5.00000	.30023	-.58013	.21923	.04349	.06569	.03183	.01051	.02470	
-6.000	12.00000	-5.00000	.30056	-.43207	.16099	.04381	.06490	.03108	-.00123	.01696	
-4.000	12.00000	-5.00000	.29985	-.29016	.10548	.04389	.06298	.03051	-.01362	.00837	
-2.000	12.00000	-5.00000	.29901	-.15692	.05437	.04367	.06078	.03058	-.02526	.00152	
.000	12.00000	-5.00000	.29847	-.02328	.00431	.04330	.05838	.03099	-.03465	-.00200	
2.000	12.00000	-5.00000	.29842	.09279	-.03898	.04246	.05763	.03108	-.04369	-.00511	
4.000	12.00000	-5.00000	.29685	.20806	-.08223	.04179	.05695	.03082	-.05109	-.00940	
GRADIENT	.00000	.00000	-.00033	.06231	-.02344	-.00027	-.00076	.00006	-.00467	-.00211	

LARC UPWT 1152(1A94A) OTSAT130

(MJKB39) (25 OCT 76)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT
 LREF = 1290.3000 INCHES YMRP = .0000 IN. YT
 BREF = 1290.3000 INCHES ZMRP = 400.0000 IN. ZT
 SCALE = .0100

PARAMETRIC DATA

BETA = .000 ELV-L1 = 12.000
 ELV-LO = -5.000 ELV-R1 = 12.000
 ELV-RO = -5.000

RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH = 1.550	ALPHA	ELV-L1	ELV-LO	CAF	CNF	CLMF	CABO	CABT	CABS	CHE1	CHE0
-8.000	12.00000	-5.00000	.30679	-.56681	.21623	.04205	.06662	.02944	.01856	.03083	
-6.000	12.00000	-5.00000	.30504	-.42236	.16108	.04250	.06477	.02930	.00773	.01821	
-4.000	12.00000	-5.00000	.30436	-.28538	.10732	.04284	.06158	.02870	-.00172	.01209	
-2.000	12.00000	-5.00000	.30498	-.15115	.05433	.04290	.05961	.02862	-.01006	.00582	
.000	12.00000	-5.00000	.30594	-.02211	.00712	.04230	.05765	.02824	-.01947	.00191	
2.000	12.00000	-5.00000	.30480	.09393	-.03473	.04177	.05612	.02829	-.02744	-.00201	
4.000	12.00000	-5.00000	.30092	.20751	-.07728	.04044	.05556	.02863	-.03152	-.00672	
GRADIENT	.00000	.00000	-.00035	.06154	-.02291	-.00030	-.00078	-.00002	-.00385	-.00227	

DATE 29 OCT 76

TABULATED SOURCE DATA - 1A94A.

PAGE 311

LARC UPWT 1152(1A94A) OTSAT130

(MJKB40) (25 OCT 76)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT
 LREF = 1290.3000 INCHES YMRP = .0000 IN. YT
 BREF = 1290.3000 INCHES ZMRP = 400.0000 IN. ZT
 SCALE = .0100

PARAMETRIC DATA

BETA = 4.000 ELV-LI = 12.000
 ELV-LO = -5.000 ELV-RI = 12.000
 ELV-RO = -5.000

RN/L = 2.01 GRADIENT INTERVAL = -5.00/ 5.00

MACH = 1.550	ALPHA	ELV-LI	ELV-LO	CAF	CNF	CLMF	CABO	CABT	CABS	CHEI	CHEO
-8.000	12.00000	-5.00000	30996	-.57812	.22116	.04284	.06576	.02741	.02355	.04444	
-6.000	12.00000	-5.00000	30712	-.43072	.16261	.04331	.06445	.02628	.01617	.03166	
-4.000	12.00000	-5.00000	.30598	-.29152	.10765	.04327	.06188	.02767	.01023	.02403	
-2.000	12.00000	-5.00000	30657	-.15445	.05427	.04336	.05906	.02661	.00387	.01846	
.000	12.00000	-5.00000	.30672	-.02264	.00500	.04360	.05711	.02597	-.00390	.01257	
2.000	12.00000	-5.00000	30529	.09213	-.03885	.04320	.05554	.02610	-.00933	.00639	
4.000	12.00000	-5.00000	.30280	.20591	-.08063	.04231	.05406	.02631	-.01606	.00011	
GRADIENT	.00000	.00000	-.00038	.06207	-.02348	-.00010	-.00096	-.00016	-.00329	-.00300	

LARC UPWT 1152(1A94A) OTSAT130

(MJKB41) (25 OCT 76)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT
 LREF = 1290.3000 INCHES YMRP = .0000 IN. YT
 BREF = 1290.3000 INCHES ZMRP = 400.0000 IN. ZT
 SCALE = .0100

PARAMETRIC DATA

BETA = 6.000 ELV-LI = 12.000
 ELV-LO = -5.000 ELV-RI = 12.000
 ELV-RO = -5.000

RN/L = 2.01 GRADIENT INTERVAL = -5.00/ 5.00

MACH = 1.550	ALPHA	ELV-LI	ELV-LO	CAF	CNF	CLMF	CABO	CABT	CABS	CHEI	CHEO
-8.000	12.00000	-5.00000	.30719	-.57931	.21930	.04451	.06614	.02561	.02585	.04940	
-6.000	12.00000	-5.00000	.30745	-.43242	.16099	.04480	.06444	.02632	.01779	.03800	
-4.000	12.00000	-5.00000	.30594	-.29318	.10726	.04494	.06243	.02596	.01113	.02975	
-2.000	12.00000	-5.00000	.30625	-.15529	.05336	.04491	.05993	.02526	.00480	.02475	
.000	12.00000	-5.00000	.30689	-.02457	.00394	.04471	.05810	.02443	-.00066	.01966	
2.000	12.00000	-5.00000	.30505	.09322	-.04115	.04406	.05709	.02490	-.00506	.01219	
4.000	12.00000	-5.00000	.30164	.20634	-.08362	.04365	.05568	.02519	-.00956	.00452	
GRADIENT	.00000	.00000	-.00049	.06238	-.02381	-.00017	-.00082	-.00010	-.00256	-.00315	

DATE 29 OCT 76

TABULATED SOURCE DATA - 1A94A.

PAGE 312

LARC UPWT 1152(1A94A) OTSAT130

(MJKB42) (25 OCT 76)

REFERENCE DATA

SREF = 2690.0000 SQ FT. XMRP = 976.0000 IN. XT
 LREF = 1290.3000 INCHES YMRP = .0000 IN. YT
 BREF = 1290.3000 INCHES ZMRP = 400.0000 IN. ZT
 SCALE = 0100

PARAMETRIC DATA

BETA = -6.000 ELV-L1 = 12.000
 ELV-LO = 2.000 ELV-R1 = 12.000
 ELV-RO = 2.000

RN/L = 2 00 GRADIENT INTERVAL = -5.00/ 5.00

MACH = 1.550	ALPHA	ELV-L1	ELV-LO	CAF	CNF	CLMF	CABO	CABT	CABS	CHE1	CHE0
-8.000	12.00000	2.00000	29711	-.57382	.20942	.04463	.06779	.03132	.00511	-.00234	
-6.000	12.00000	2.00000	29847	-.42275	.14826	.04431	.06577	.03215	-.00722	-.01053	
-4.000	12.00000	2.00000	29778	-.28058	.09358	.04426	.06400	.03198	-.01984	-.01935	
-2.000	12.00000	2.00000	29792	-.14399	.04140	.04457	.06151	.03192	-.03104	-.02608	
.000	12.00000	2.00000	29729	-.01668	-.00453	.04481	.05966	.03213	-.04047	-.02874	
2.000	12.00000	2.00000	29879	.10315	-.04906	.04372	.05840	.03215	-.04999	-.03130	
4.000	12.00000	2.00000	29692	.22098	-.09187	.04259	.05751	.03196	-.05784	-.03513	
GRADIENT	.00000	00000	-.00004	.06251	-.02307	-.00021	-.00080	.00001	-.00475	-.00184	

LARC UPWT 1152(1A94A) OTSAT130

(MJKB43) (25 OCT 76)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT
 LREF = 1290.3000 INCHES YMRP = .0000 IN. YT
 BREF = 1290.3000 INCHES ZMRP = 400.0000 IN. ZT
 SCALE = 0100

PARAMETRIC DATA

BETA = -4.000 ELV-L1 = 12.000
 ELV-LO = 2.000 ELV-R1 = 12.000
 ELV-RO = 2.000

RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH = 1.550	ALPHA	ELV-L1	ELV-LO	CAF	CNF	CLMF	CABO	CABT	CABS	CHE1	CHE0
-8.000	12.00000	2.00000	30046	-.57063	.21184	.04370	.06576	.03188	.00884	.00085	
-6.000	12.00000	2.00000	30048	-.42256	.15398	.04403	.06504	.03129	-.00325	-.00734	
-4.000	12.00000	2.00000	30066	-.28243	.09896	.04409	.06305	.03069	-.01585	-.01698	
-2.000	12.00000	2.00000	29985	-.14486	.04609	.04381	.06095	.03084	-.02788	-.02405	
.000	12.00000	2.00000	29972	-.01443	-.00252	.04337	.05830	.03130	-.03726	-.02704	
2.000	12.00000	2.00000	29986	.10411	-.04623	.04247	.05740	.03132	-.04639	-.02985	
4.000	12.00000	2.00000	29827	.21881	-.08924	.04183	.05671	.03116	-.05339	-.03365	
GRADIENT	.00000	00000	-.00024	.06257	-.02344	-.00029	-.00081	.00007	-.00468	-.00196	

DATE 29 OCT 76

TABULATED SOURCE DATA - 1A94A.

PAGE 313

LARC UPWT 1152(1A94A) OTSAT130

(MJKB44) (25 OCT 76)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT
 LREF = 1290.3000 INCHES YMRP = .0000 IN. YT
 BREF = 1290.3000 INCHES ZMRP = 400.0000 IN. ZT
 SCALE = .0100

PARAMETRIC DATA

BETA = .000 ELV-LI = 12.000
 ELV-LO = 2.000 ELV-RI = 12.000
 ELV-RO = 2.000

RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH = 1.550	ALPHA	ELV-LI	ELV-LO	CAF	CNF	CLMF	CABO	CABT	CABS	CHEI	CHEO
-8.000	12.00000	2.00000	.30597	-.55752	.20810	.04228	.06663	.02947	.01712	.00796	
-6.000	12.00000	2.00000	.30417	-.41356	.15333	.04269	.06486	.02940	.00680	-.00360	
-4.000	12.00000	2.00000	.30391	-.27598	.09917	.04299	.06196	.02889	-.00282	-.00994	
-2.000	12.00000	2.00000	.30459	-.13942	.04528	.04299	.05956	.02872	-.01195	-.01793	
.000	12.00000	2.00000	.30630	-.01463	-.00029	.04236	.05762	.02847	-.02071	-.02180	
2.000	12.00000	2.00000	.30531	.10203	-.04200	.04180	.05594	.02847	-.02896	-.02541	
4.000	12.00000	2.00000	.30185	.21736	-.08523	.04041	.05537	.02877	-.03302	-.02973	
GRADIENT	.00000	.00000	-.00017	.06141	-.02280	-.00032	-.00083	-.00003	-.00387	-.00235	

LARC UPWT 1152(1A94A) OTSAT130

(MJKB45) (25 OCT 76)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT
 LREF = 1290.3000 INCHES YMRP = .0000 IN. YT
 BREF = 1290.3000 INCHES ZMRP = 400.0000 IN. ZT
 SCALE = .0100

PARAMETRIC DATA

BETA = 4.000 ELV-LI = 12.000
 ELV-LO = 2.000 ELV-RI = 12.000
 ELV-RO = 2.000

RN/L = 2.01 GRADIENT INTERVAL = -5.00/ 5.00

MACH = 1.550	ALPHA	ELV-LI	ELV-LO	CAF	CNF	CLMF	CABO	CABT	CABS	CHEI	CHEO
-8.000	12.00000	2.00000	.31104	-.56896	.21373	.04307	.06593	.02751	.02083	.02006	
-6.000	12.00000	2.00000	.30882	-.42139	.15539	.04357	.06472	.02824	.01395	.00914	
-4.000	12.00000	2.00000	.30770	-.28057	.10039	.04349	.06212	.02783	.00845	.00140	
-2.000	12.00000	2.00000	.30883	-.14571	.04806	.04347	.05911	.02670	.00166	-.00450	
.000	12.00000	2.00000	.30950	-.01552	-.00108	.04367	.05720	.02598	-.00584	-.01024	
2.000	12.00000	2.00000	.30810	.10326	-.04592	.04322	.05557	.02607	-.01129	-.01666	
4.000	12.00000	2.00000	.30587	.21662	-.08735	.04229	.05392	.02640	-.01820	-.02258	
GRADIENT	.00000	.00000	-.00022	.06217	-.02347	-.00013	-.00100	-.00017	-.00331	-.00301	

DATE 29 OCT 76

TABULATED SOURCE DATA - 1A94A.

PAGE 314

LARC UPWT 1152(1A94A) OTSAT130

(MJKB46) (25 OCT 76)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT
 LREF = 1290.3000 INCHES YMRP = .0000 IN. YT
 BREF = 1290.3000 INCHES ZMRP = 400.0000 IN. ZT
 SCALE = .0100

PARAMETRIC DATA

BETA = 6.000 ELV-LI = 12.000
 ELV-LO = 2.000 ELV-RI = 12.000
 ELV-RO = 2.000

RN/L = 2.01 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	ELV-LI	ELV-LO	CAF	CNF	CLMF	CABO	CABT	CABS	CHEI	CHEO
1.550											
-8.000	12.00000	2.00000	.30888	-.56976	.21238	.04468	.06621	.02560	.02318	.02422	
-6.000	12.00000	2.00000	.30924	-.41981	.15284	.04498	.06468	.02627	.01553	.01374	
-4.000	12.00000	2.00000	.30794	-.28223	.09977	.04508	.06274	.02605	.00982	.00649	
-2.000	12.00000	2.00000	.30860	-.14568	.04652	.04505	.06015	.02536	.00318	.00189	
.000	12.00000	2.00000	.30974	-.01794	-.00187	.04482	.05801	.02448	-.00223	-.00358	
2.000	12.00000	2.00000	.30819	.10242	-.04778	.04415	.05702	.02491	-.00705	-.01073	
4.000	12.00000	2.00000	.30496	.21783	-.09049	.04362	.05559	.02525	-.01172	-.01772	
GRADIENT	00000	.00000	-.00032	.06241	-.02374	-.00019	-.00087	-.00010	-.00267	-.00305	

LARC UPWT 1152(1A94A) OTSAT130

(MJKB47) (25 OCT 76)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT
 LREF = 1290.3000 INCHES YMRP = .0000 IN. YT
 BREF = 1290.3000 INCHES ZMRP = 400.0000 IN. ZT
 SCALE = .0100

PARAMETRIC DATA

BETA = -6.000 ELV-LI = 8.000
 ELV-LO = 2.000 ELV-RI = 8.000
 ELV-RO = 2.000

RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	ELV-LI	ELV-LO	CAF	CNF	CLMF	CABO	CABT	CABS	CHEI	CHEO
1.550											
-8.000	8.00000	2.00000	.29609	-.57944	.21391	.04387	.06799	.03112	.03384	-.00192	
-6.000	8.00000	2.00000	.29747	-.42578	.15168	.04350	.06593	.03187	.02159	-.01011	
-4.000	8.00000	2.00000	.29702	-.28376	.09753	.04338	.06443	.03156	.00898	-.01899	
-2.000	8.00000	2.00000	.29684	-.14910	.04606	.04361	.06228	.03155	-.00249	-.02598	
.000	8.00000	2.00000	.29649	-.02289	.00007	.04382	.06022	.03188	-.01394	-.02873	
2.000	8.00000	2.00000	.29802	.09969	-.04500	.04286	.05897	.03193	-.02423	-.03126	
4.000	8.00000	2.00000	.29594	.21479	-.08694	.04179	.05815	.03183	-.03272	-.03503	
GRADIENT	00000	00000	-.00005	.06229	-.02300	-.00020	-.00079	.00005	-.00526	-.00187	

DATE '29 OCT 76

TABULATED SOURCE DATA - 1A94A.

PAGE 315

LARC UPWT 1152(1A94A) OTSAT130

(MJKB48) (25 OCT 76)

REFERENCE DATA

PARAMETRIC DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT
 LREF = 1290.3000 INCHES YMRP = .0000 IN. YT
 BREF = 1290.3000 INCHES ZMRP = 400.0000 IN. ZT
 SCALE = .0100

BETA = -4.000 ELV-L1 = 8.000
 ELV-LO = 2.000 ELV-R1 = 8.000
 ELV-RO = 2.000

RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH = 1.550	ALPHA	ELV-L1	ELV-LO	CAF	CNF	CLMF	CABO	CABT	CABS	CHE1	CHEO
-8.000	8.00000	2.00000	.29944	-57549	.21635	.04281	.06581	.03177	.03661	.00118	
-6.000	8.00000	2.00000	.29920	-42493	.15681	.04308	.06536	.03117	.02402	-.00726	
-4.000	8.00000	2.00000	.29937	-28488	.10200	.04310	.06379	.03038	.01196	-.01703	
-2.000	8.00000	2.00000	.29850	-.15091	.05075	.04297	.06163	.03048	.00040	-.02407	
.000	8.00000	2.00000	.29886	-.02171	.00253	.04248	.05902	.03101	-.01005	-.02712	
2.000	8.00000	2.00000	.29947	.09842	-.04211	.04143	.05834	.03105	-.02043	-.02974	
4.000	8.00000	2.00000	.29740	.21381	-.08500	.04094	.05752	.03102	-.02878	-.03354	
GRADIENT	.00000	.00000	-.00015	.06234	-.02334	-.00029	-.00079	.00009	-.00512	-.00193	

LARC UPWT 1152(1A94A) OTSAT130

(MJKB49) (25 OCT 76)

REFERENCE DATA

PARAMETRIC DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT
 LREF = 1290.3000 INCHES YMRP = .0000 IN. YT
 BREF = 1290.3000 INCHES ZMRP = 400.0000 IN. ZT
 SCALE = .0100

BETA = .000 ELV-L1 = 8.000
 ELV-LO = 2.000 ELV-R1 = 8.000
 ELV-RO = 2.000

RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH = 1.550	ALPHA	ELV-L1	ELV-LO	CAF	CNF	CLMF	CABO	CABT	CABS	CHE1	CHEO
-8.000	8.00000	2.00000	.30420	-.56574	.21308	.04132	.06692	.02931	.04540	.00896	
-6.000	8.00000	2.00000	.30153	-.41731	.15652	.04168	.06564	.02927	.03398	-.00292	
-4.000	8.00000	2.00000	.30157	-.27851	.10244	.04192	.06268	.02855	.02309	-.00974	
-2.000	8.00000	2.00000	.30335	-.14429	.04937	.04198	.06049	.02834	.01393	-.01760	
.000	8.00000	2.00000	.30396	-.02006	.00433	.04154	.05861	.02826	.00434	-.02169	
2.000	8.00000	2.00000	.30307	.09863	-.03843	.04095	.05669	.02827	-.00512	-.02528	
4.000	8.00000	2.00000	.30008	.21384	-.08165	.03961	.05586	.02862	-.00994	-.02971	
GRADIENT	.00000	.00000	-.00016	.06138	-.02280	-.00028	-.00086	.00000	-.00426	-.00238	

DATE 29 OCT 76

TABULATED SOURCE DATA - 1A94A.

PAGE 316

LARC UPWT 1152(1A94A) OTSAT130

(MJKB50) (25 OCT 76)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT
 LREF = 1290.3000 INCHES YMRP = .0000 IN. YT
 BREF = 1290.3000 INCHES ZMRP = 400.0000 IN. ZT
 SCALE = .0100

PARAMETRIC DATA

BETA = 4.000 ELV-L1 = 8.000
 ELV-LO = 2.000 ELV-R1 = 8.000
 ELV-RO = 2.000

RN/L = 2.01 GRADIENT INTERVAL = -5.00/ 5.00

MACH = 1.550	ALPHA	ELV-L1	ELV-LO	CAF	CNF	CLMF	CABO	CABT	CABS	CHE1	CHE0
-8.000	8.00000	2.00000	.31020	-.57241	.21772	.04212	.06615	.02715	.04658	.02014	
-6.000	8.00000	2.00000	.30785	-.42228	.15880	.04253	.06528	.02793	.03947	.00947	
-4.000	8.00000	2.00000	.30645	-.28663	.10561	.04255	.06305	.02760	.03301	.00234	
-2.000	8.00000	2.00000	.30784	-.14611	.05078	.04256	.05990	.02658	.02503	-.00417	
.000	8.00000	2.00000	.30831	-.02062	.00337	.04280	.05789	.02584	.01720	-.01020	
2.000	8.00000	2.00000	.30718	.10063	-.04222	.04233	.05628	.02589	.01025	-.01661	
4.000	8.00000	2.00000	.30479	.21185	-.08358	.04153	.05468	.02623	.00367	-.02223	
GRADIENT	.00000	.00000	-.00020	.06219	-.02357	-.00011	-.00102	-.00017	-.00367	-.00308	

LARC UPWT 1152(1A94A) OTSAT130

(MJKB51) (25 OCT 76)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT
 LREF = 1290.3000 INCHES YMRP = .0000 IN. YT
 BREF = 1290.3000 INCHES ZMRP = 400.0000 IN. ZT
 SCALE = .0100

PARAMETRIC DATA

BETA = 6.000 ELV-L1 = 8.000
 ELV-LO = 2.000 ELV-R1 = 8.000
 ELV-RO = 2.000

RN/L = 2.01 GRADIENT INTERVAL = -5.00/ 5.00

MACH = 1.550	ALPHA	ELV-L1	ELV-LO	CAF	CNF	CLMF	CABO	CABT	CABS	CHE1	CHE0
-8.000	8.00000	2.00000	.30852	-.57623	.21777	.04401	.06621	.02541	.04836	.02443	
-6.000	8.00000	2.00000	.30884	-.42820	.15895	.04414	.06528	.02610	.04096	.01404	
-4.000	8.00000	2.00000	.30756	-.28745	.10474	.04422	.06333	.02602	.03432	.00707	
-2.000	8.00000	2.00000	.30810	-.15042	.05082	.04409	.06084	.02528	.02717	.00273	
.000	8.00000	2.00000	.30922	-.02104	.00214	.04391	.05887	.02420	.02066	-.00315	
2.000	8.00000	2.00000	.30749	.09806	-.04339	.04325	.05781	.02475	.01397	-.01062	
4.000	8.00000	2.00000	.30427	.21322	-.08654	.04280	.05619	.02517	.00843	-.01762	
GRADIENT	.00000	.00000	-.00036	.06249	-.02384	-.00018	-.00087	-.00011	-.00325	-.00314	

DATE 29 OCT 76

TABULATED SOURCE DATA - 1A94A.

PAGE 317

LARC UPWT 1152(1A94A) OTSAT130

(MJKB52) (25 OCT 76)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT
 LREF = 1290.3000 INCHES YMRP = .0000 IN. YT
 BREF = 1290.3000 INCHES ZMRP = 400.0000 IN. ZT
 SCALE = .0100

PARAMETRIC DATA

BETA = -6.000 ELV-L1 = 8.000
 ELV-LO = -5.000 ELV-R1 = 8.000
 ELV-RO = -5.000

RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH = 1.550	ALPHA	ELV-L1	ELV-LO	CAF	CNF	CLMF	CABO	CABT	CABS	CHEI	CHEO
-8.000	8.00000	-5.00000	.29537	-.58984	.22234	.04380	.06808	.03107	.03527	.02135	
-6.000	8.00000	-5.00000	.29661	-.43304	.15880	.04344	.06590	.03176	.02319	.01382	
-4.000	8.00000	-5.00000	.29645	-.29310	.10507	.04331	.06444	.03133	.01079	.00577	
-2.000	8.00000	-5.00000	.29605	-.15645	.05323	.04358	.06240	.03130	-.00059	-.00166	
.000	8.00000	-5.00000	.29515	-.02920	.00636	.04386	.06063	.03172	-.01229	-.00553	
2.000	8.00000	-5.00000	.29646	.09268	-.03888	.04295	.05936	.03187	-.02251	-.00866	
4.000	8.00000	-5.00000	.29395	.20801	-.08140	.04182	.05864	.03171	-.03111	-.01298	
GRADIENT	.00000	.00000	-.00023	.06257	-.02325	-.00018	-.00073	.00007	-.00529	-.00222	

LARC UPWT 1152(1A94A) OTSAT130

(MJKB53) (25 OCT 76)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT
 LREF = 1290.3000 INCHES YMRP = .0000 IN. YT
 BREF = 1290.3000 INCHES ZMRP = 400.0000 IN. ZT
 SCALE = .0100

PARAMETRIC DATA

BETA = -4.000 ELV-L1 = 8.000
 ELV-LO = -5.000 ELV-R1 = 8.000
 ELV-RO = -5.000

RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH = 1.550	ALPHA	ELV-L1	ELV-LO	CAF	CNF	CLMF	CABO	CABT	CABS	CHEI	CHEO
-8.000	8.00000	-5.00000	.29869	-.58633	.22466	.04265	.06599	.03172	.03766	.02396	
-6.000	8.00000	-5.00000	.29831	-.43337	.16408	.04298	.06542	.03103	.02524	.01567	
-4.000	8.00000	-5.00000	.29851	-.29218	.10879	.04304	.06378	.03019	.01334	.00684	
-2.000	8.00000	-5.00000	.29742	-.15811	.05709	.04298	.06189	.03025	.00171	-.00010	
.000	8.00000	-5.00000	.29754	-.02979	.00896	.04254	.05933	.03081	-.00844	-.00391	
2.000	8.00000	-5.00000	.29742	.09042	-.03575	.04150	.05873	.03095	-.01916	-.00724	
4.000	8.00000	-5.00000	.29525	.20762	-.07936	.04102	.05795	.03086	-.02727	-.01170	
GRADIENT	.00000	.00000	-.00033	.06241	-.02346	-.00028	-.00074	.00010	-.00510	-.00221	

LARC UPWT 1152(1A94A) OTSAT130

(MJKB54) (25 OCT 76)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT
 LREF = 1290.3000 INCHES YMRP = .0000 IN. YT
 BREF = 1290.3000 INCHES ZMRP = 400.0000 IN. ZT
 SCALE = .0100

PARAMETRIC DATA

BETA = .000 ELV-LI = 8.000
 ELV-LO = -5.000 ELV-RI = 8.000
 ELV-RO = -5.000

RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH = 1.550	ALPHA	ELV-LI	ELV-LO	CAF	CNF	CLMF	CABO	CABT	CABS	CHEI	CHEO
-8.000	8.00000	-5.00000	.30341	-.57743	.22192	.04121	.06700	.02924	.04750	.03185	
-6.000	8.00000	-5.00000	.30068	-.42682	.16434	.04158	.06562	.02911	.03548	.01895	
-4.000	8.00000	-5.00000	.30091	-.28891	.10993	.04186	.06259	.02835	.02478	.01223	
-2.000	8.00000	-5.00000	.30211	-.15400	.05704	.04198	.06059	.02822	.01580	.00537	
.000	8.00000	-5.00000	.30313	-.02649	.01041	.04151	.05884	.02809	.00568	.00088	
2.000	8.00000	-5.00000	.30176	.09141	-.03221	.04100	.05706	.02821	-.00400	-.00337	
4.000	8.00000	-5.00000	.29789	.20661	-.07585	.03976	.05643	.02855	-.00898	-.00872	
GRADIENT	00000	00000	-.00032	.06182	-.02304	-.00026	-.00079	.00002	-.00437	-.00253	

LARC UPWT 1152(1A94A) OTSAT130

(MJKB55) (25 OCT 76)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT
 LREF = 1290.3000 INCHES YMRP = .0000 IN. YT
 BREF = 1290.3000 INCHES ZMRP = 400.0000 IN. ZT
 SCALE = .0100

PARAMETRIC DATA

BETA = 4.000 ELV-LI = 8.000
 ELV-LO = -5.000 ELV-RI = 8.000
 ELV-RO = -5.000

RN/L = 2.01 GRADIENT INTERVAL = -5.00/ 5.00

MACH = 1.550	ALPHA	ELV-LI	ELV-LO	CAF	CNF	CLMF	CABO	CABT	CABS	CHEI	CHEO
-8.000	8.00000	-5.00000	.30943	-.58076	.22503	.04199	.06643	.02701	.04913	.04345	
-6.000	8.00000	-5.00000	.30665	-.42955	.16519	.04243	.06540	.02777	.04121	.03144	
-4.000	8.00000	-5.00000	.30573	-.29450	.11218	.04244	.06281	.02744	.03431	.02515	
-2.000	8.00000	-5.00000	.30604	-.15583	.05777	.04257	.06010	.02659	.02546	.01845	
.000	8.00000	-5.00000	.30676	-.02920	.01051	.04287	.05798	.02581	.01880	.01209	
2.000	8.00000	-5.00000	.30495	.09231	-.03574	.04246	.05670	.02592	.01167	.00468	
4.000	8.00000	-5.00000	.30269	.20379	-.07730	.04168	.05515	.02611	.00517	-.00182	
GRADIENT	00000	.00000	-.00036	.06224	-.02362	-.00008	-.00094	-.00017	-.00365	-.00338	

DATE 29 OCT 76

TABULATED SOURCE DATA - 1A94A.

PAGE 319

LARC UPWT 1152(1A94A) OTSAT130

(MJB56) (25 OCT 76)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT
 LREF = 1290.3000 INCHES YMRP = .0000 IN. YT
 BREF = 1290.3000 INCHES ZMRP = 400.0000 IN. ZT
 SCALE = .0100

PARAMETRIC DATA

BETA = 6.000 ELV-LI = 8.000
 ELV-LO = -5.000 ELV-RI = 8.000
 ELV-RO = -5.000

RN/L = 2.01 GRADIENT INTERVAL = -5.00/ 5.00

MACH = 1.550	ALPHA	ELV-LI	ELV-LO	CAF	CNF	CLMF	CABO	CABT	CABS	CHEI	CHEO
-8.000	8.00000	-5.00000	.30782	-.58400	.22513	.04387	.06581	.02545	.05110	.04900	
-6.000	8.00000	-5.00000	.30709	-.43575	.16588	.04404	.06536	.02618	.04292	.03728	
-4.000	8.00000	-5.00000	.30621	-.29635	.11191	.04414	.06341	.02601	.03564	.03014	
-2.000	8.00000	-5.00000	.30622	-.15672	.05729	.04409	.06105	.02530	.02812	.02490	
.000	8.00000	-5.00000	.30750	-.03184	.00964	.04398	.05920	.02421	.02195	.01927	
2.000	8.00000	-5.00000	.30566	.08963	-.03689	.04333	.05817	.02470	.01553	.01088	
4.000	8.00000	-5.00000	.30214	.20523	-.08046	.04294	.05667	.02506	.01016	.00239	
GRADIENT	.00000	.00000	-.00044	.06247	-.02395	-.00016	-.00082	-.00013	-.00318	-.00348	

LARC UPWT 1152(1A94A) OTSAT130

(MJB57) (25 OCT 76)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT
 LREF = 1290.3000 INCHES YMRP = .0000 IN. YT
 BREF = 1290.3000 INCHES ZMRP = 400.0000 IN. ZT
 SCALE = .0100

PARAMETRIC DATA

BETA = -6.000 ELV-LI = 8.000
 ELV-LO = -10.000 ELV-RI = 8.000
 ELV-RO = -10.000

RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH = 1.550	ALPHA	ELV-LI	ELV-LO	CAF	CNF	CLMF	CABO	CABT	CABS	CHEI	CHEO
-8.000	8.00000	-10.00000	.29494	-.59357	.22839	.04373	.06798	.03109	.03510	.04443	
-6.000	8.00000	-10.00000	.29589	-.43972	.16530	.04342	.06589	.03181	.02244	.03567	
-4.000	8.00000	-10.00000	.29509	-.29929	.11101	.04333	.06471	.03147	.00930	.02599	
-2.000	8.00000	-10.00000	.29522	-.16210	.05915	.04353	.06269	.03124	-.00163	.01869	
.000	8.00000	-10.00000	.29455	-.03426	.01189	.04391	.06081	.03172	-.01296	.01448	
2.000	8.00000	-10.00000	.29497	.08697	-.03376	.04311	.05969	.03196	-.02305	.01098	
4.000	8.00000	-10.00000	.29242	.20529	-.07754	.04204	.05894	.03178	-.03183	.00617	
GRADIENT	.00000	.00000	-.00028	.06291	-.02350	-.00015	-.00073	.00007	-.00518	-.00237	

DATE 29 OCT 76

TABULATED SOURCE DATA - 1A94A.

PAGE 320

LARC UPWT 1152(1A94A) OTSAT130

(MJK858) (25 OCT 76)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT
 LREF = 1290.3000 INCHES YMRP = .0000 IN. YT
 BREF = 1290.3000 INCHES ZMRP = 400.0000 IN. ZT
 SCALE = .0100

PARAMETRIC DATA

BETA = -4.000 ELV-L1 = 8.000
 ELV-L0 = -10.000 ELV-R1 = 8.000
 ELV-R0 = -10.000

RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH = 1.550	ALPHA	ELV-L1	ELV-L0	CAF	CNF	CLMF	CAB0	CABT	CABS	CHE1	CHE0
-8.000	8.00000	-10.00000	.29824	-.59177	.23083	.04256	.06604	.03173	.03820	.04639	
-6.000	8.00000	-10.00000	.29803	-.43966	.17093	.04283	.06543	.03104	.02544	.03726	
-4.000	8.00000	-10.00000	.29820	-.30167	.11674	.04295	.06387	.03018	.01314	.02715	
-2.000	8.00000	-10.00000	.29717	-.16420	.06328	.04295	.06160	.03024	.00100	.02019	
.000	8.00000	-10.00000	.29698	-.03435	.01478	.04260	.05948	.03086	-.00963	.01590	
2.000	8.00000	-10.00000	.29591	.08593	-.03060	.04167	.05900	.03109	-.01992	.01180	
4.000	8.00000	-10.00000	.29410	.20333	-.07469	.04115	.05822	.03092	-.02792	.00725	
GRADIENT	.00000	.00000	-.00047	.06301	-.02384	-.00024	-.00070	.00012	-.00515	-.00241	

LARC UPWT 1152(1A94A) OTSAT130

(MJK859) (25 OCT 76)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT
 LREF = 1290.3000 INCHES YMRP = .0000 IN. YT
 BREF = 1290.3000 INCHES ZMRP = 400.0000 IN. ZT
 SCALE = .0100

PARAMETRIC DATA

BETA = .000 ELV-L1 = 8.000
 ELV-L0 = -10.000 ELV-R1 = 8.000
 ELV-R0 = -10.000

RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH = 1.550	ALPHA	ELV-L1	ELV-L0	CAF	CNF	CLMF	CAB0	CABT	CABS	CHE1	CHE0
-8.000	8.00000	-10.00000	.30235	-.58096	.22697	.04104	.06698	.02921	.04834	.05549	
-6.000	8.00000	-10.00000	.29957	-.42930	.16868	.04146	.06565	.02908	.03559	.04108	
-4.000	8.00000	-10.00000	.29863	-.29212	.11402	.04182	.06321	.02859	.02407	.03243	
-2.000	8.00000	-10.00000	.30056	-.15470	.06055	.04197	.06074	.02830	.01469	.02470	
.000	8.00000	-10.00000	.30158	-.02614	.01320	.04157	.05904	.02815	.00482	.02020	
2.000	8.00000	-10.00000	.30051	.08897	-.02866	.04107	.05731	.02830	-.00488	.01575	
4.000	8.00000	-10.00000	.29614	.20474	-.07249	.03993	.05671	.02859	-.01021	.00975	
GRADIENT	.00000	.00000	-.00025	.06187	-.02311	-.00023	-.00082	-.00000	-.00441	-.00272	

DATE 29 OCT 76

TABULATED SOURCE DATA - 1A94A.

PAGE 321

LARC UPWT 1152(1A94A) OTSAT130

(MJKB60) (25 OCT 76)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976 0000 IN. XT
 LREF = 1290.3000 INCHES YMRP = 0000 IN YT
 BREF = 1290.3000 INCHES ZMRP = 400 0000 IN ZT
 SCALE = .0100

PARAMETRIC DATA

BETA = 4 000 ELV-LI = 8.000
 ELV-LO = -10 000 ELV-RI = 8.000
 ELV-RO = -10.000

RN/L = 2.01 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	ELV-LI	ELV-LO	CAF	CNF	CLMF	CABO	CABT	CABS	CHEI	CHEO
1.550	-8.000	8 00000	-10 00000	30960	-.58842	.23267	.04180	.06629	.02701	.05053	.06683
	-6 000	8 00000	-10 00000	30648	-.43830	.17269	.04226	.06531	.02785	.04225	.05467
	-4 000	8 00000	-10.00000	30502	-.29871	.11791	.04242	.06305	.02751	.03473	.04628
	-2 000	8 00000	-10.00000	30589	-.16492	.06494	.04254	.06014	.02665	.02678	.03871
	000	8 00000	-10.00000	30643	-.03508	.01609	.04290	.05827	.02592	.01842	.03072
	2 000	8 00000	-10.00000	30403	.08632	-.03044	.04261	.05711	.02598	.01103	.02206
	4 000	8.00000	-10.00000	30180	.19903	-.07253	.04185	.05538	.02618	.00435	.01492
	GRADIENT	00000	00000	-.00042	.06234	-.02381	-.00005	-.00092	-.00017	-.00383	-.00397

LARC UPWT 1152(1A94A) OTSAT130

(MJKB61) (25 OCT 76)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976 0000 IN. XT
 LREF = 1290.3000 INCHES YMRP = .0000 IN YT
 BREF = 1290.3000 INCHES ZMRP = 400.0000 IN. ZT
 SCALE = .0100

PARAMETRIC DATA

BETA = 6.000 ELV-LI = 8.000
 ELV-LO = -10.000 ELV-RI = 8.000
 ELV-RO = -10 000

RN/L = 2.01 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	ELV-LI	ELV-LO	CAF	CNF	CLMF	CABO	CABT	CABS	CHEI	CHEO
1.550	-8.000	8 00000	-10 00000	.30758	-.59295	.23341	.04376	.06632	.02551	.05250	.07228
	-6.000	8 00000	-10 00000	.30688	-.44433	.17377	.04395	.06540	.02629	.04356	.06087
	-4.000	8 00000	-10 00000	.30532	-.30365	.11928	.04412	.06364	.02615	.03577	.05281
	-2 000	8 00000	-10 00000	.30559	-.16665	.06534	.04415	.06132	.02546	.02800	.04586
	.000	8.00000	-10 00000	.30682	-.03858	.01611	.04414	.05943	.02433	.02133	.03903
	2.000	8 00000	-10 00000	.30456	.08204	-.03100	.04359	.05852	.02488	.01462	.02863
	4.000	8.00000	-10 00000	.30090	.20116	-.07580	.04318	.05718	.02517	.00922	.01840
	GRADIENT	00000	00000	-.00049	.06292	-.02433	-.00012	-.00079	-.00013	-.00332	-.00430